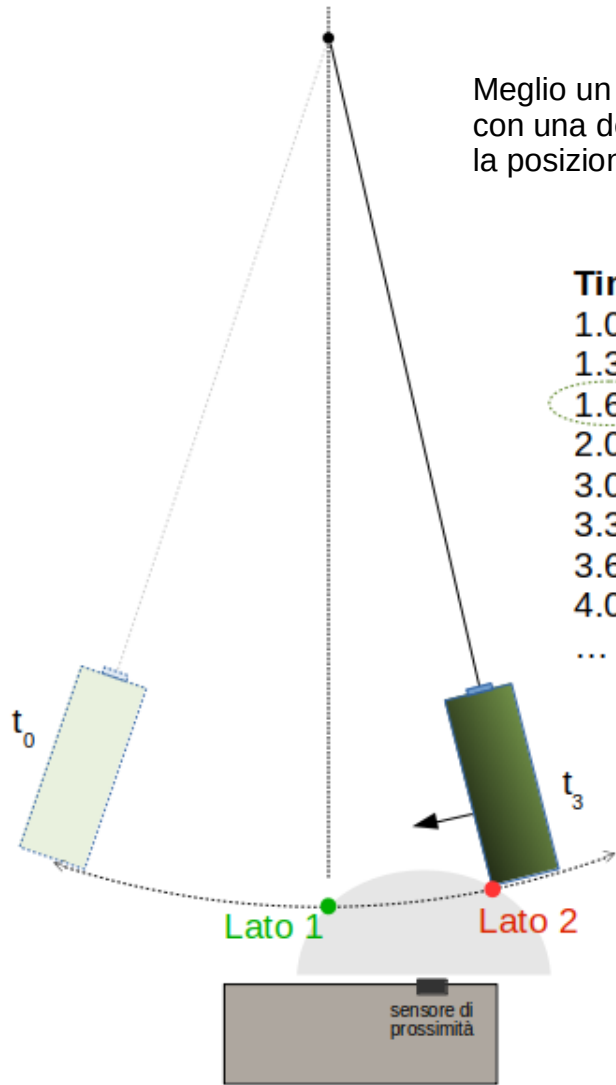
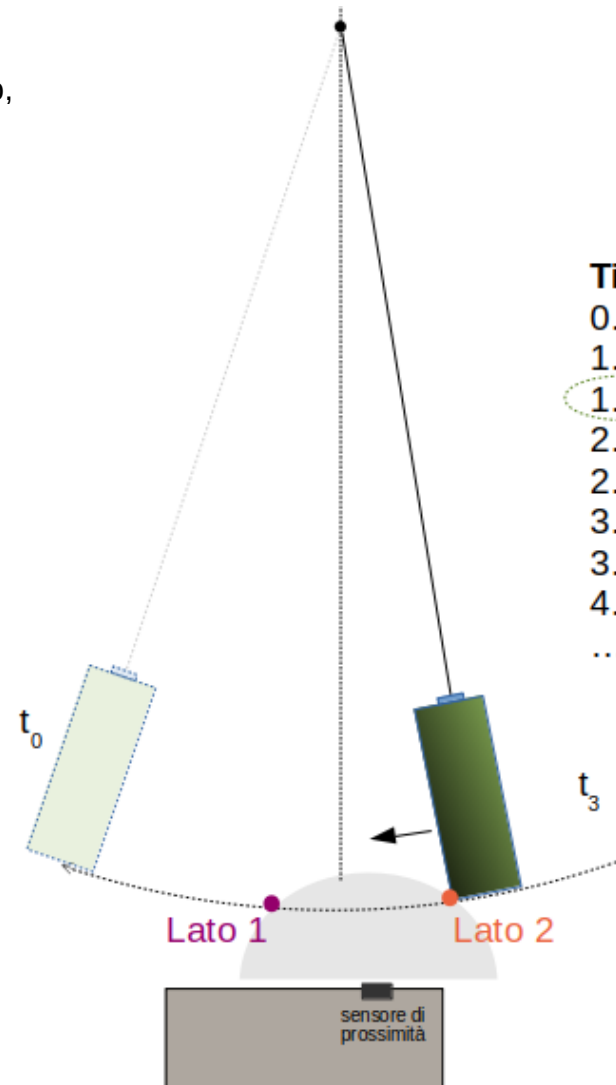


Questioni legate al posizionamento del sensore rispetto al centro dell'oscillazione

Meglio un posizionamento asimmetrico, con una delle due soglie allineata con la posizione a riposo!

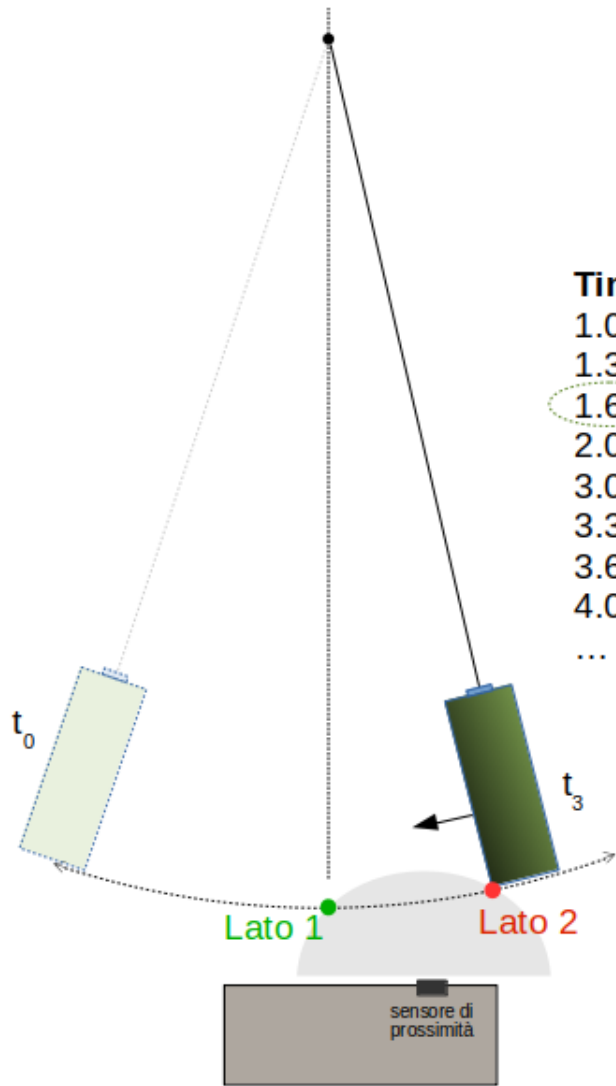


| Time | Distance | |
|------|----------|--------|
| 1.00 | 0 | Lato 1 |
| 1.35 | 5 | Lato 2 |
| 1.65 | 0 | Lato 2 |
| 2.00 | 5 | Lato 1 |
| 3.00 | 0 | Lato 1 |
| 3.35 | 5 | Lato 2 |
| 3.65 | 0 | Lato 2 |
| 4.00 | 5 | Lato 1 |
| ... | ... | |

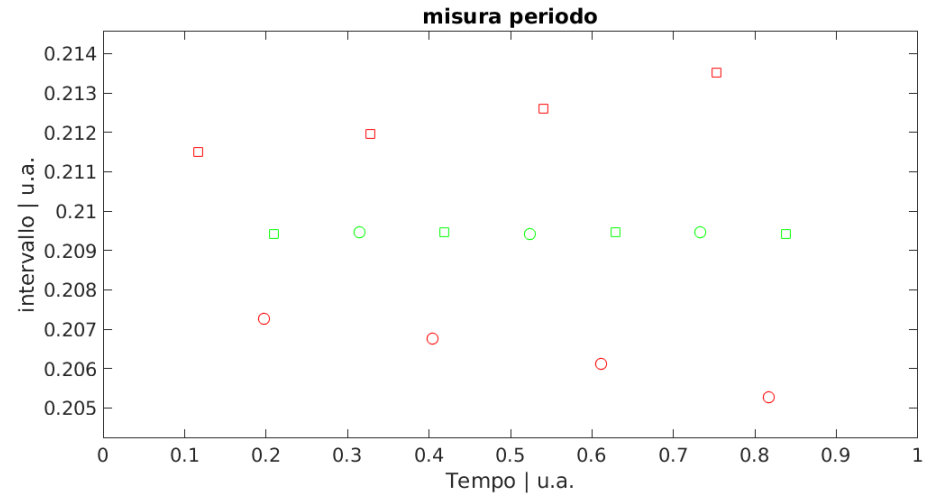
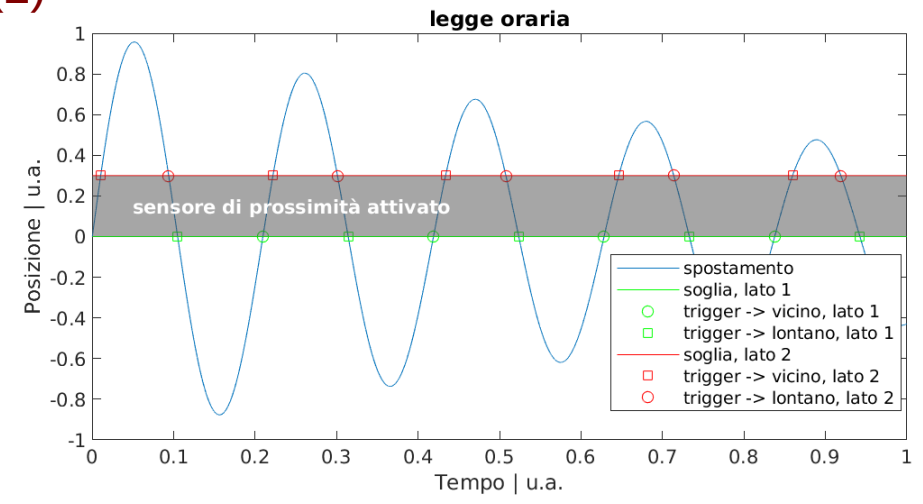


| Time | Distance | |
|------|----------|--------|
| 0.90 | 0 | Lato 1 |
| 1.25 | 5 | Lato 2 |
| 1.75 | 0 | Lato 2 |
| 2.10 | 5 | Lato 1 |
| 2.90 | 0 | Lato 1 |
| 3.25 | 5 | Lato 2 |
| 3.75 | 0 | Lato 2 |
| 4.10 | 5 | Lato 1 |
| ... | ... | |

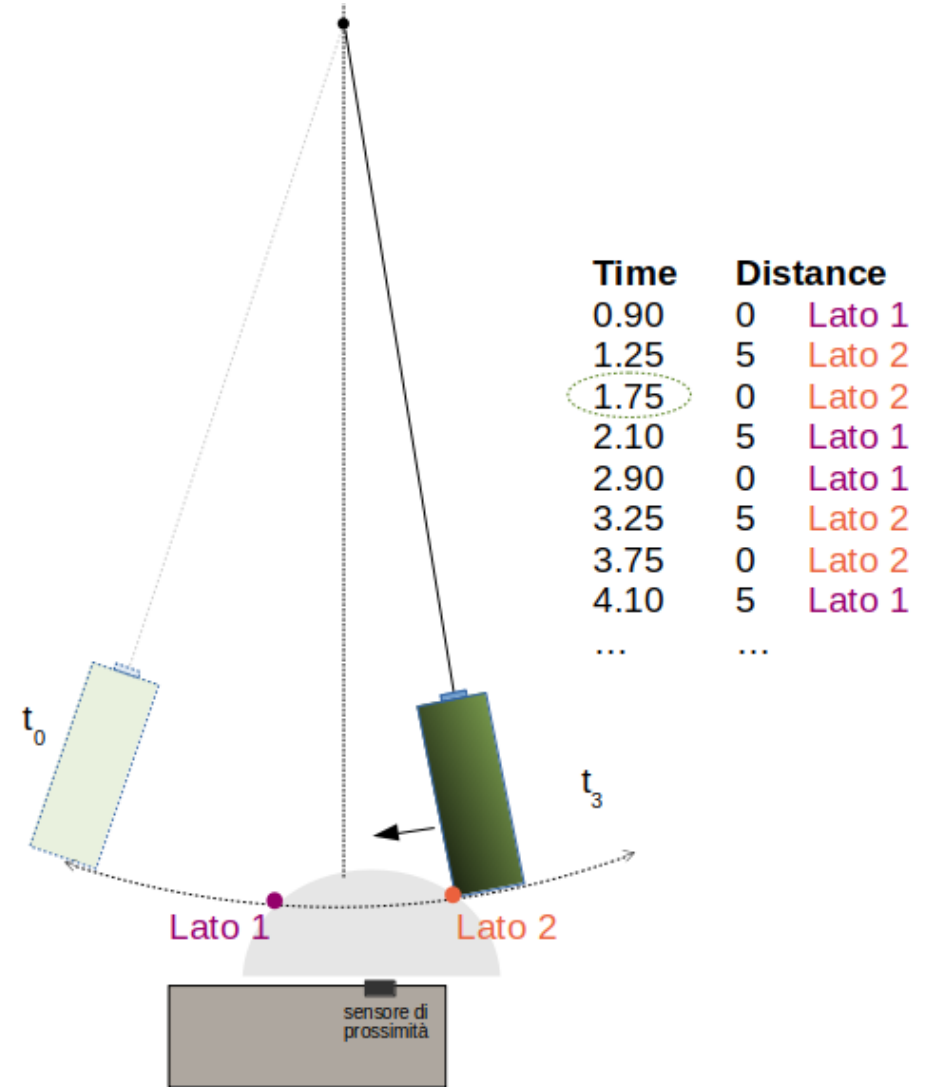
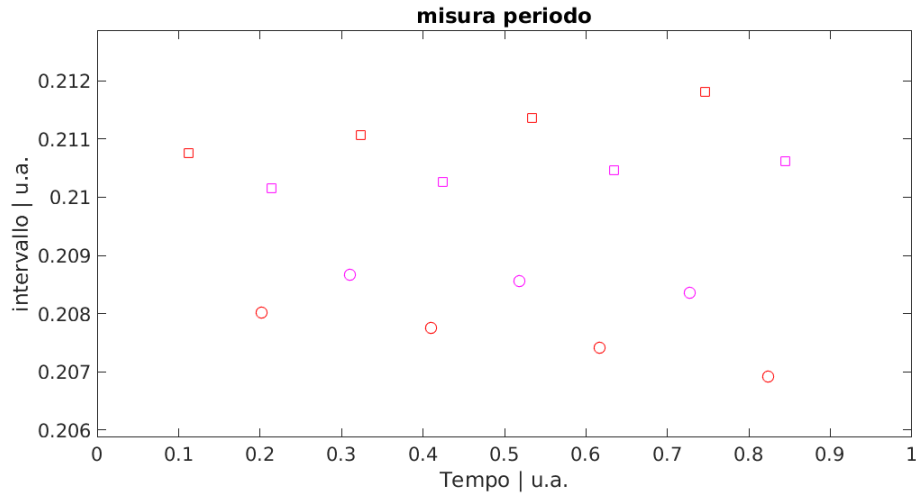
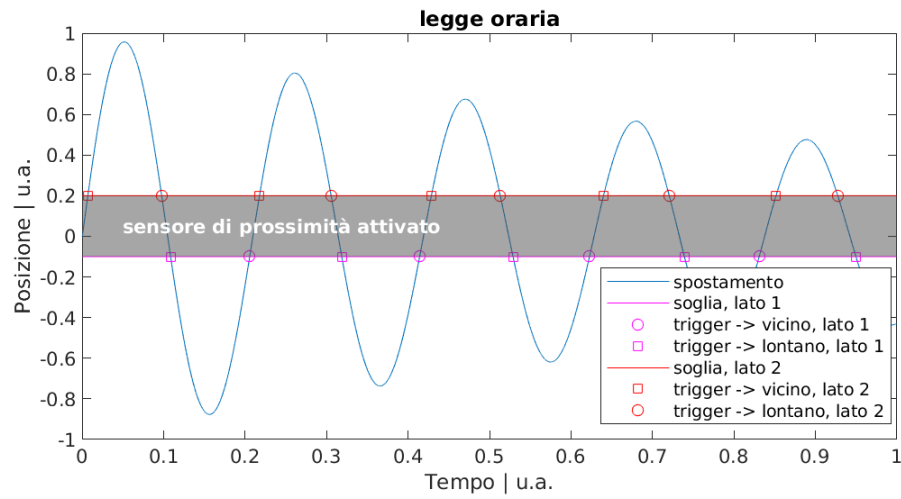
Questioni legate al posizionamento del sensore (2)



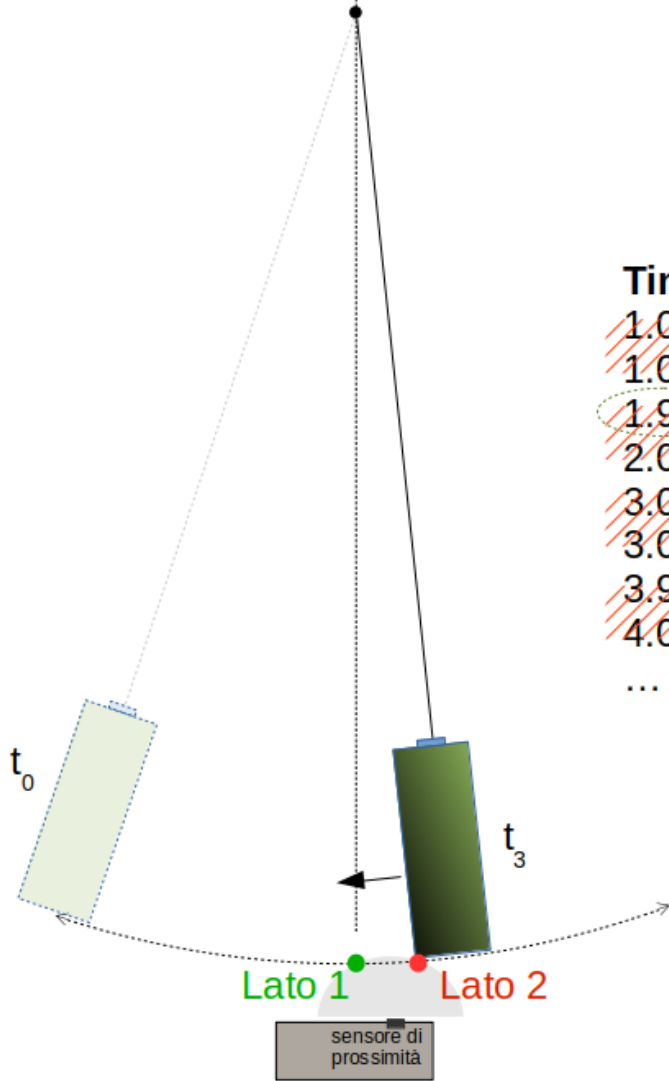
| Time | Distance | |
|------|----------|--------|
| 1.00 | 0 | Lato 1 |
| 1.35 | 5 | Lato 2 |
| 1.65 | 0 | Lato 2 |
| 2.00 | 5 | Lato 1 |
| 3.00 | 0 | Lato 1 |
| 3.35 | 5 | Lato 2 |
| 3.65 | 0 | Lato 2 |
| 4.00 | 5 | Lato 1 |
| ... | ... | |



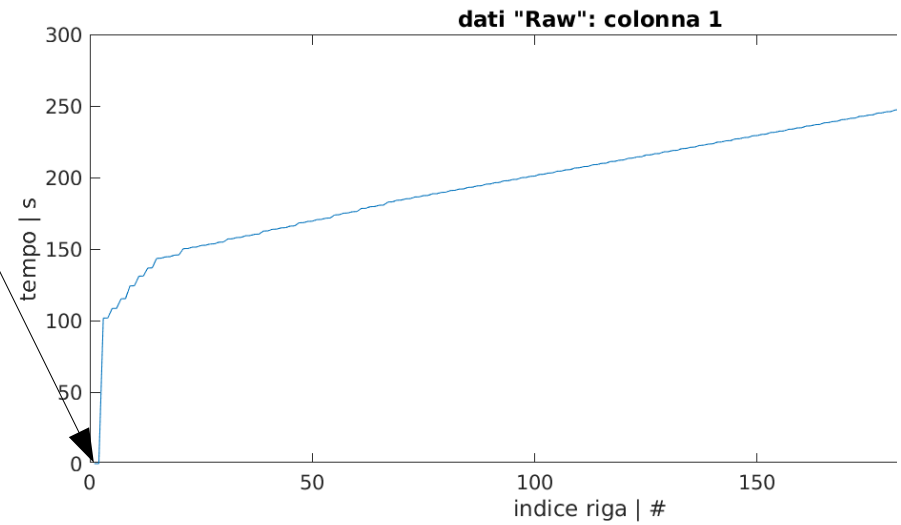
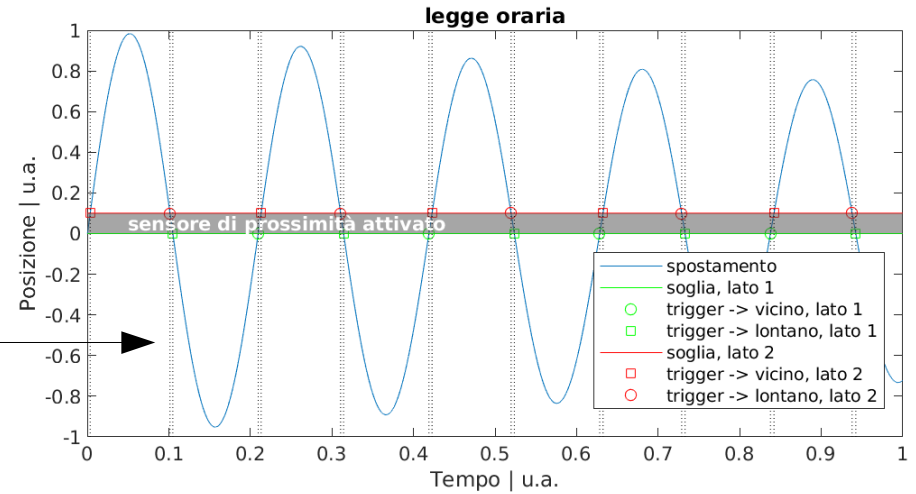
Questioni legate al posizionamento del sensore (3)



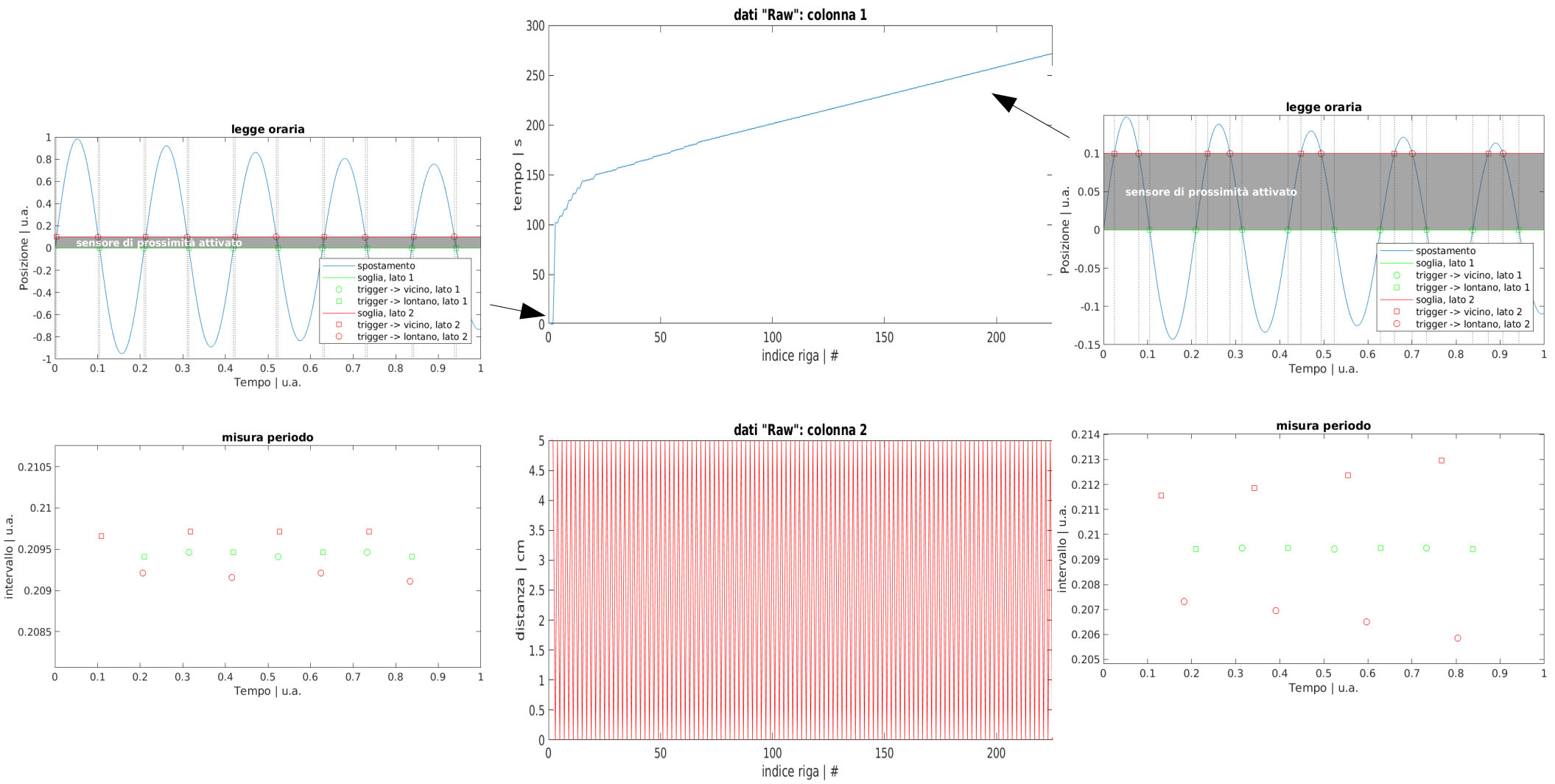
Questioni legate alla scala dell'esperimento e all'ampiezza dell'oscillazione



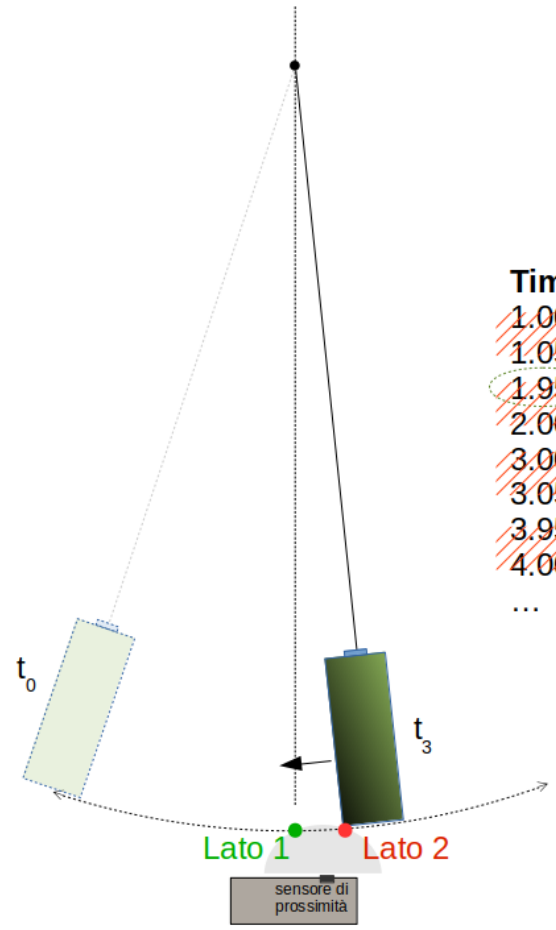
| Time | Distance | |
|------|----------|--------|
| 1.00 | 0 | Lato 1 |
| 1.05 | 5 | Lato 2 |
| 1.95 | 0 | Lato 2 |
| 2.00 | 5 | Lato 1 |
| 3.00 | 0 | Lato 1 |
| 3.05 | 5 | Lato 2 |
| 3.95 | 0 | Lato 2 |
| 4.00 | 5 | Lato 1 |
| ... | ... | |



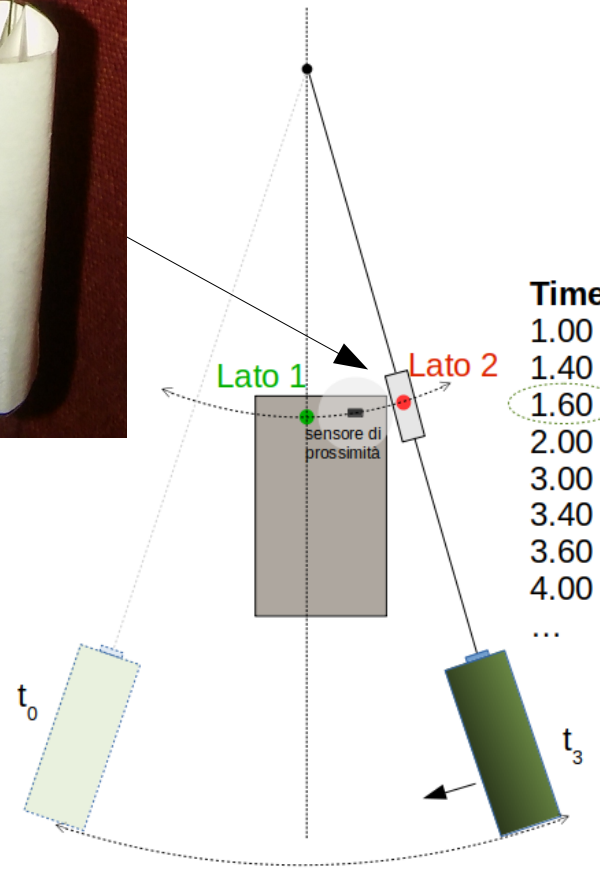
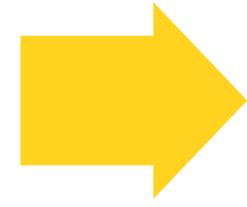
Questioni legate alla scala dell'esperimento e all'ampiezza dell'oscillazione



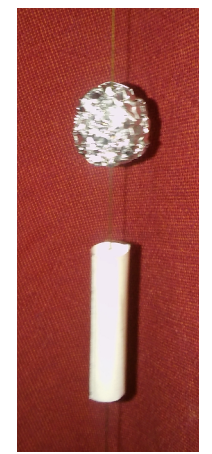
Questioni legate alla scala dell'esperimento e all'ampiezza dell'oscillazione



| Time | Distance | |
|------|----------|--------|
| 1.00 | 0 | Lato 1 |
| 1.05 | 5 | Lato 2 |
| 1.95 | 0 | Lato 2 |
| 2.00 | 5 | Lato 1 |
| 3.00 | 0 | Lato 1 |
| 3.05 | 5 | Lato 2 |
| 3.95 | 0 | Lato 2 |
| 4.00 | 5 | Lato 1 |
| ... | ... | |

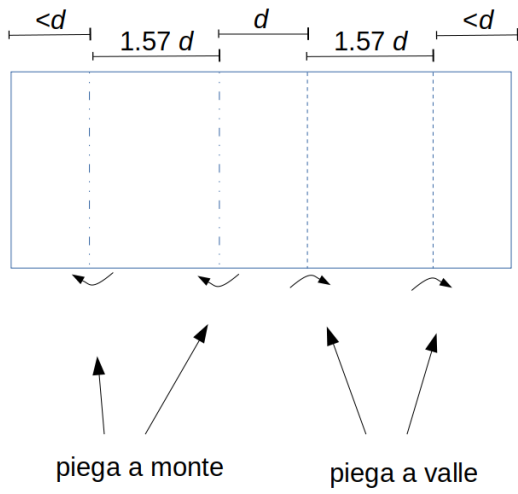


| Time | Distance | |
|------|----------|--------|
| 1.00 | 0 | Lato 1 |
| 1.40 | 5 | Lato 2 |
| 1.60 | 0 | Lato 2 |
| 2.00 | 5 | Lato 1 |
| 3.00 | 0 | Lato 1 |
| 3.40 | 5 | Lato 2 |
| 3.60 | 0 | Lato 2 |
| 4.00 | 5 | Lato 1 |
| ... | ... | |

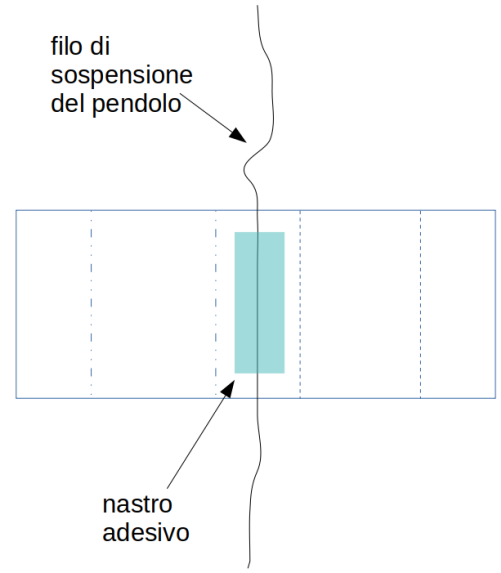


Esempio su come costruire il riflettore (*origami style*)

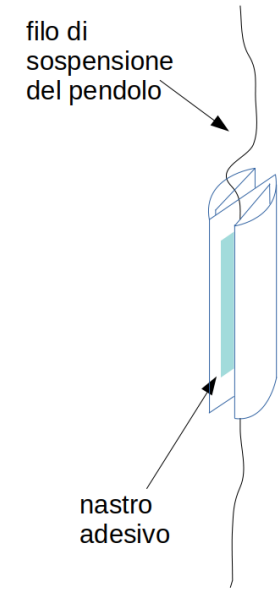
d è il diametro del cilindro che andremo a formare



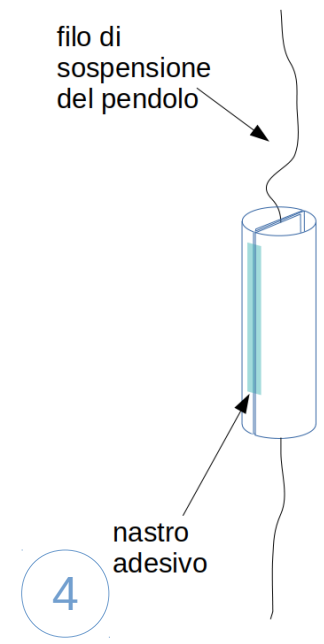
1



2



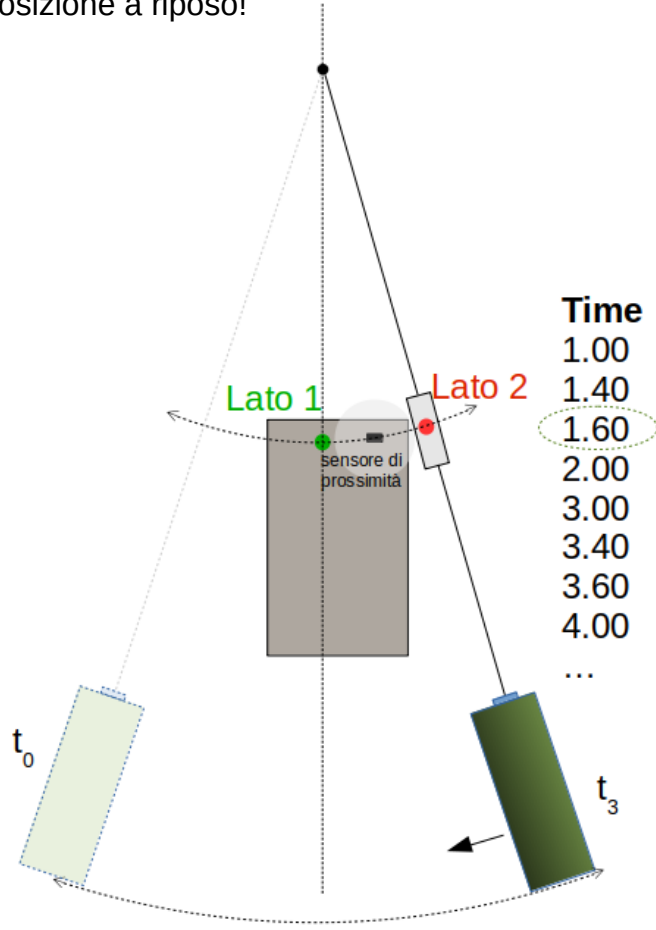
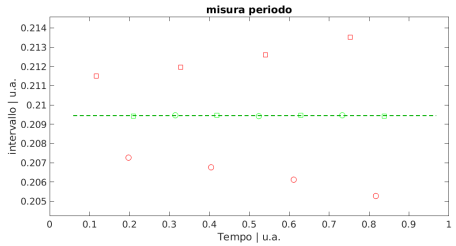
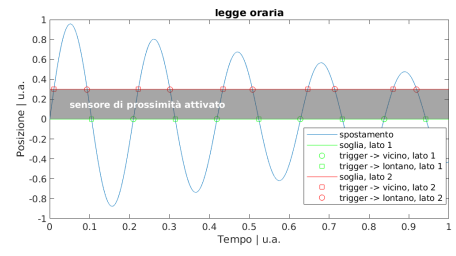
3



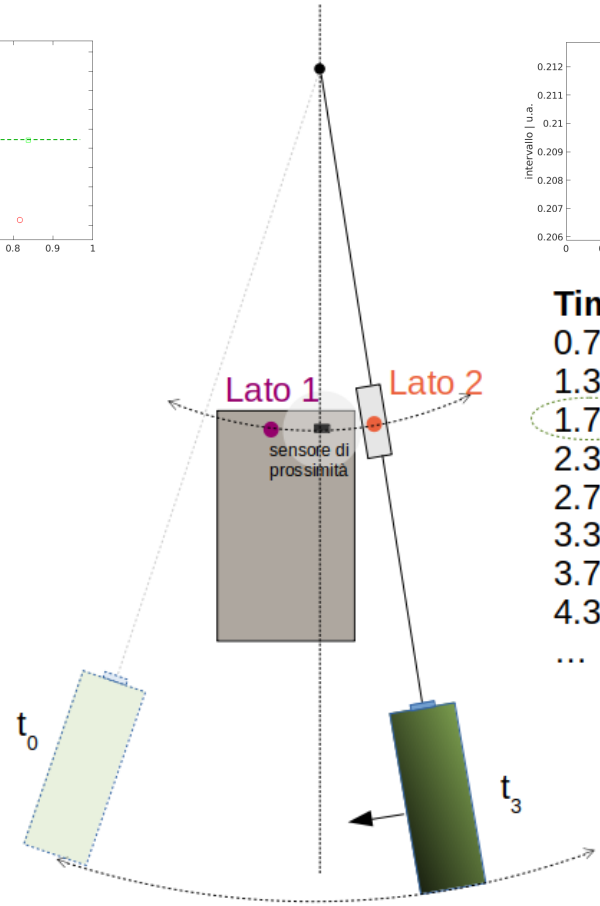
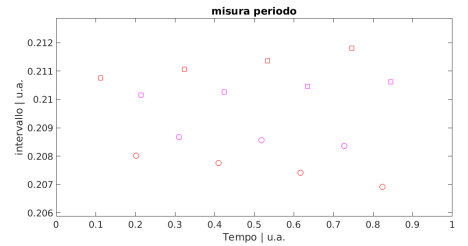
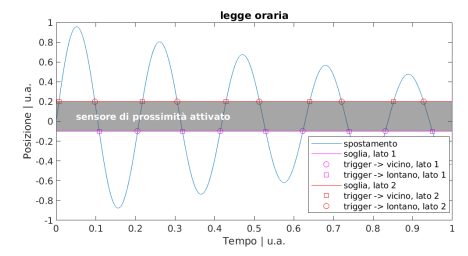
4

Posizionamento del sensore (4)

Anche in questo caso: meglio un posizionamento asimmetrico, con una delle due soglie allineata con la posizione a riposo!

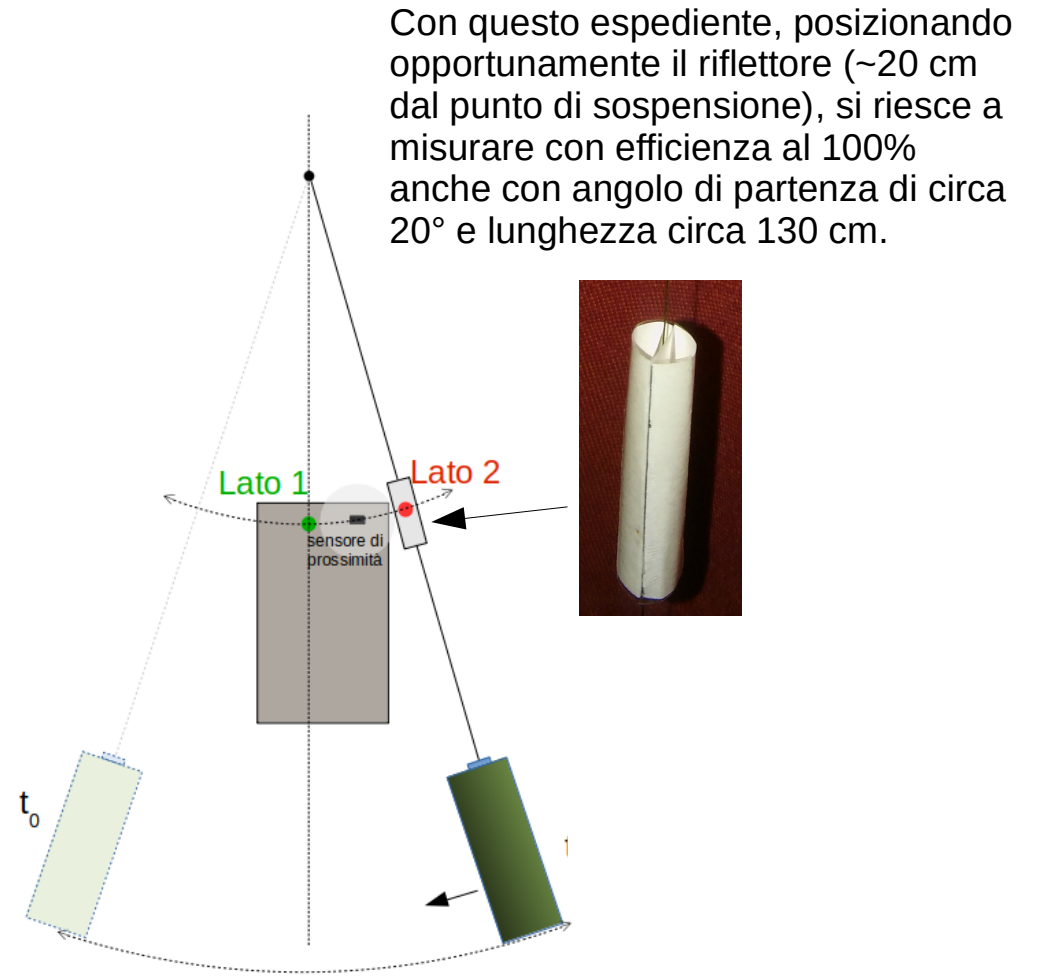
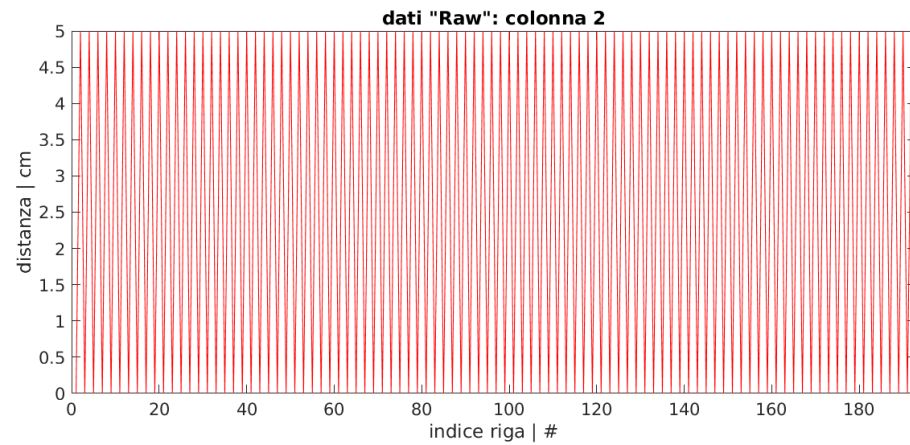
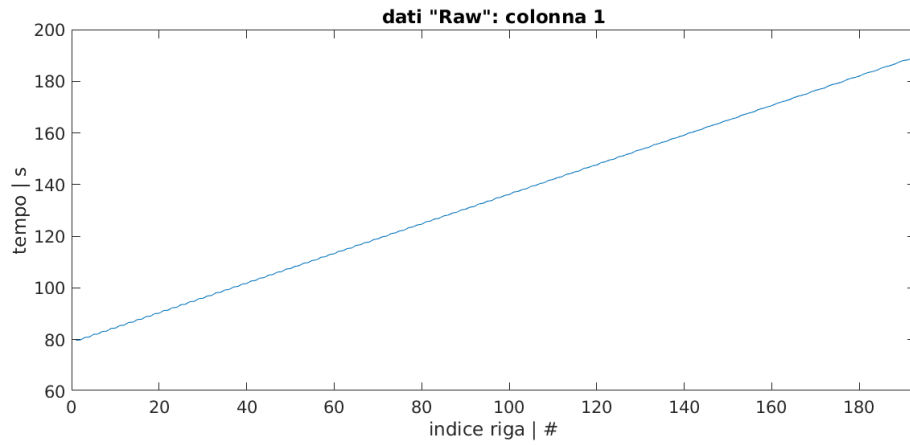


| Time | Distance |
|------|----------|
| 1.00 | 0 Lato 1 |
| 1.40 | 5 Lato 2 |
| 1.60 | 0 Lato 2 |
| 2.00 | 5 Lato 1 |
| 3.00 | 0 Lato 1 |
| 3.40 | 5 Lato 2 |
| 3.60 | 0 Lato 2 |
| 4.00 | 5 Lato 1 |
| ... | ... |



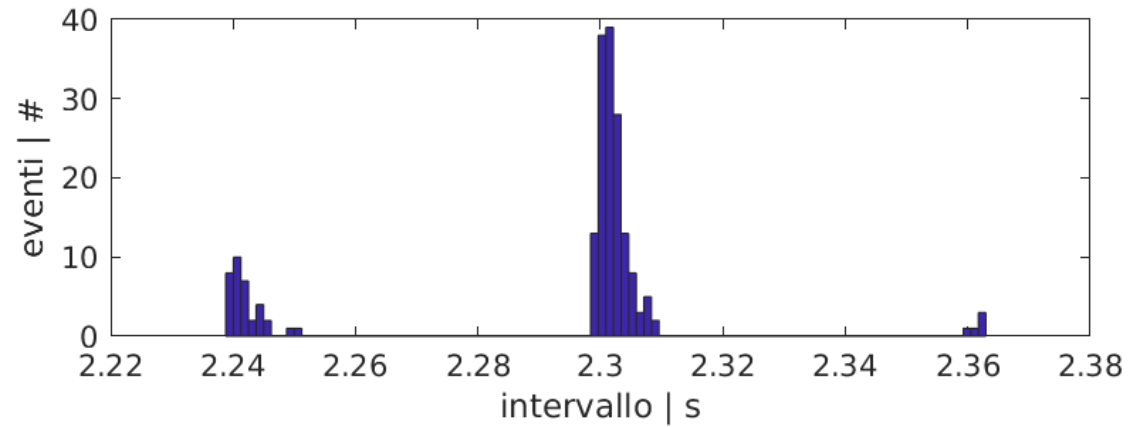
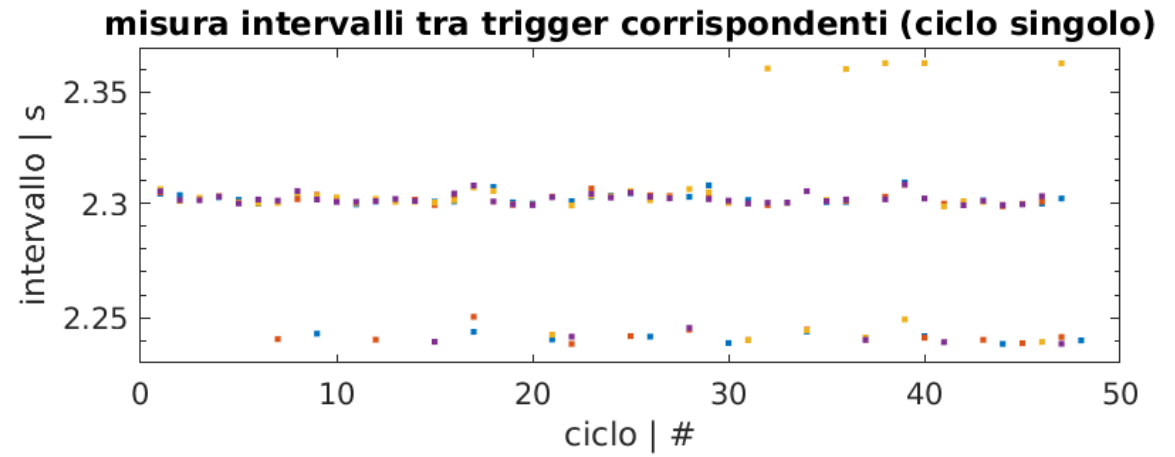
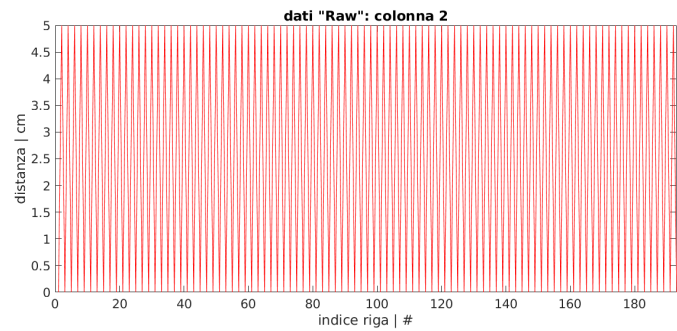
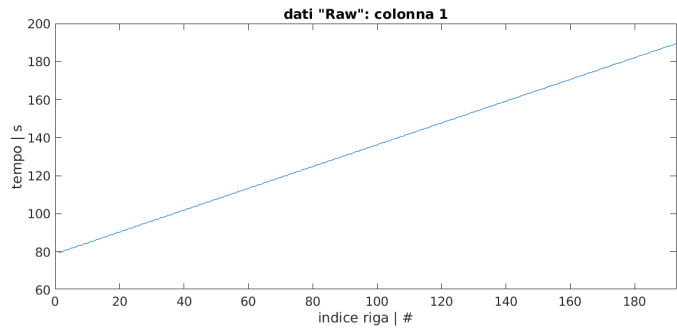
| Time | Distance |
|------|----------|
| 0.70 | 0 Lato 1 |
| 1.30 | 5 Lato 2 |
| 1.70 | 0 Lato 2 |
| 2.30 | 5 Lato 1 |
| 2.70 | 0 Lato 1 |
| 3.30 | 5 Lato 2 |
| 3.70 | 0 Lato 2 |
| 4.30 | 5 Lato 1 |
| ... | ... |

Questioni legate alla scala dell'esperimento e all'ampiezza dell'oscillazione (2)



Questioni legate alla scala dell'esperimento e all'ampiezza dell'oscillazione (2)

C'è ancora un problema da risolvere per essere soddisfatti:
la sensibilità del cronometro è bassa...



Questioni legate alla scala dell'esperimento e all'ampiezza dell'oscillazione (2)

Finalmente la misura del periodo ha sensibilità adeguata per apprezzare gli effetti attesi e l'incertezza è confrontabile con quella sulla misura di lunghezza!

