



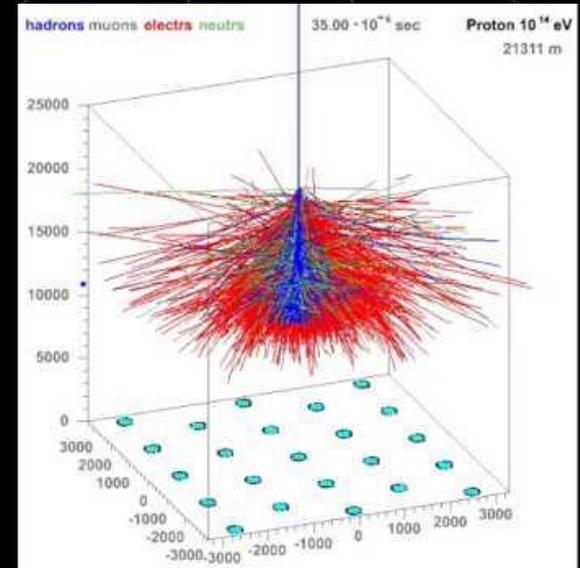
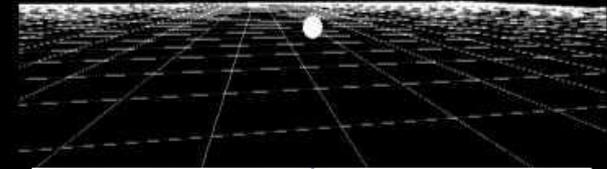
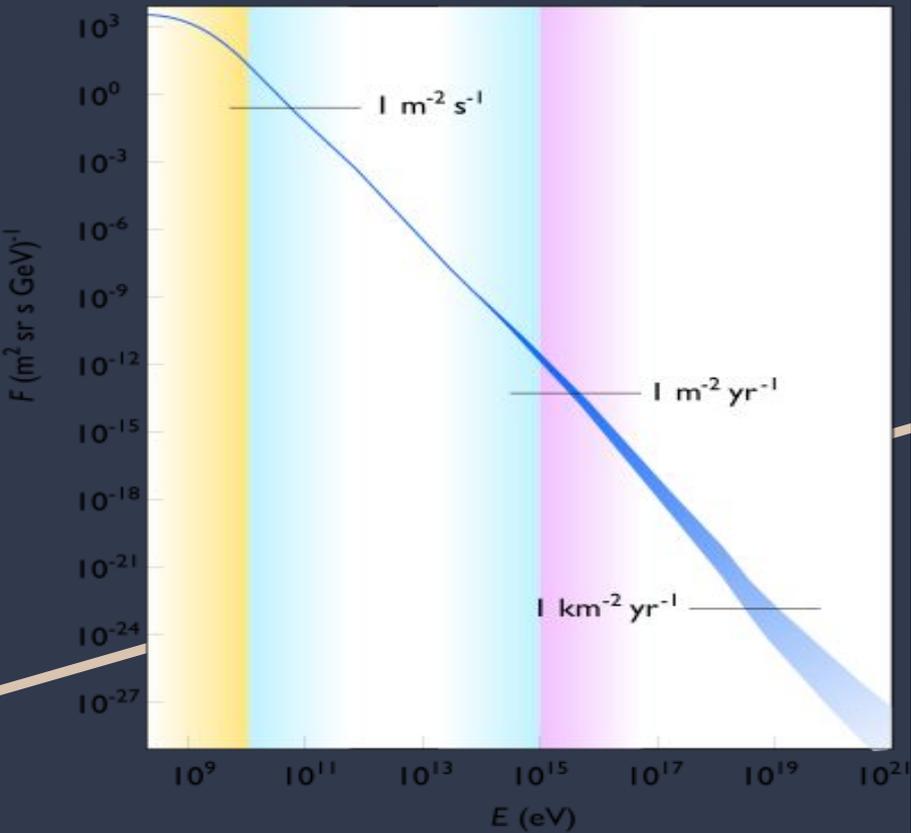
International Cosmic Day,
29 Novembre 2018



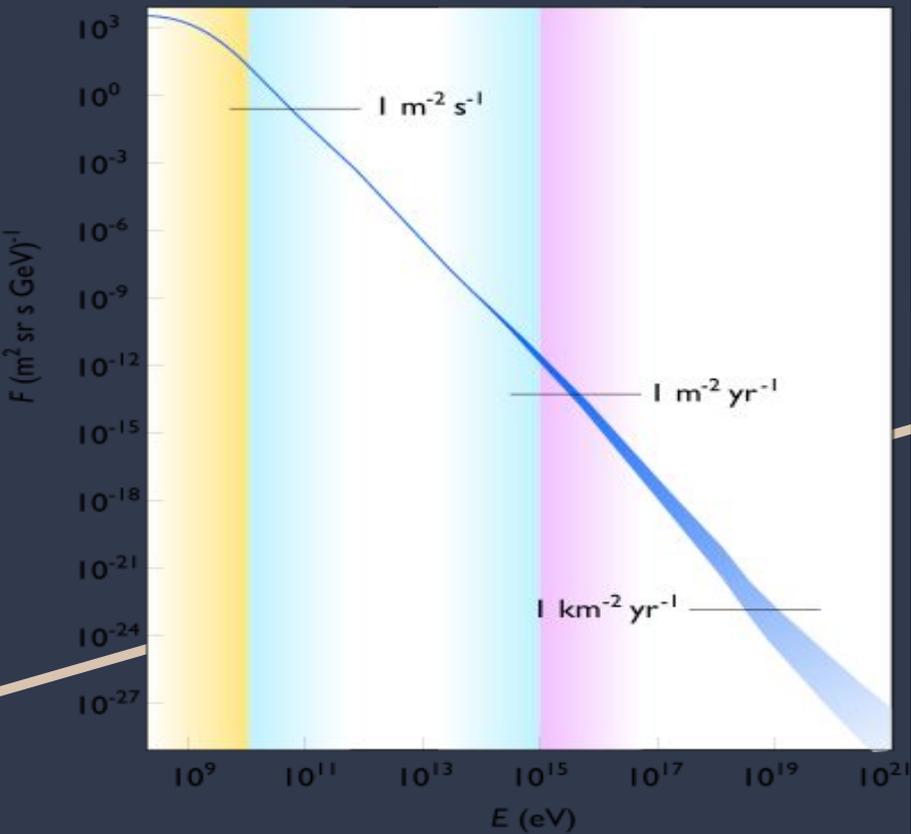
Rivelare i raggi cosmici: le stazioni a scintillazione del Dipartimento di Fisica dell'Università di Torino

Matteo Battisti,
matteo.battisti@edu.unito.it

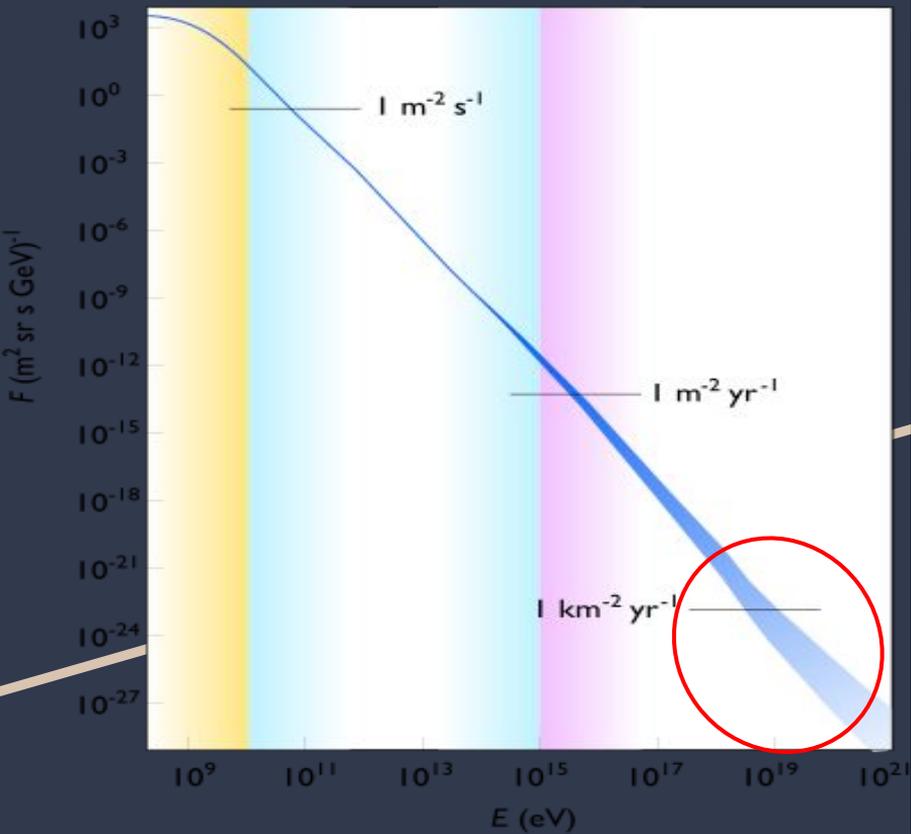
Raggi cosmici: cosa sono?



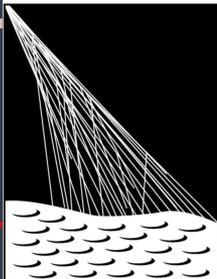
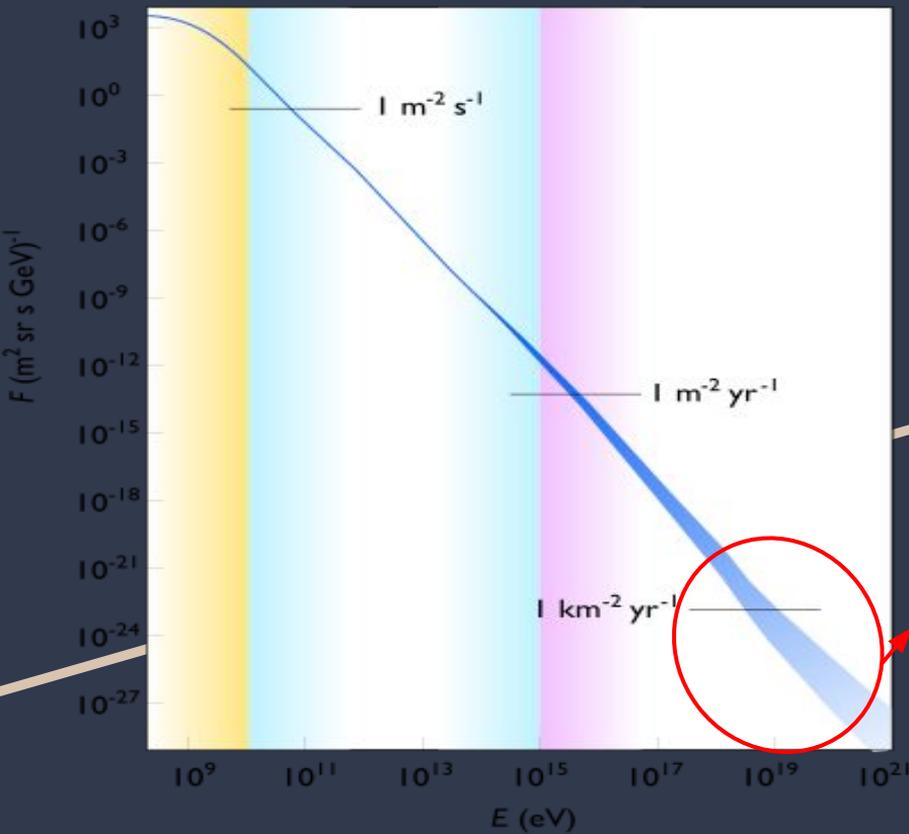
Raggi cosmici: come rivelarli?



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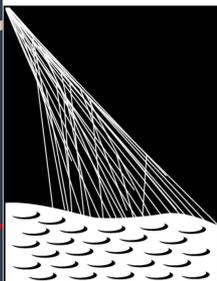
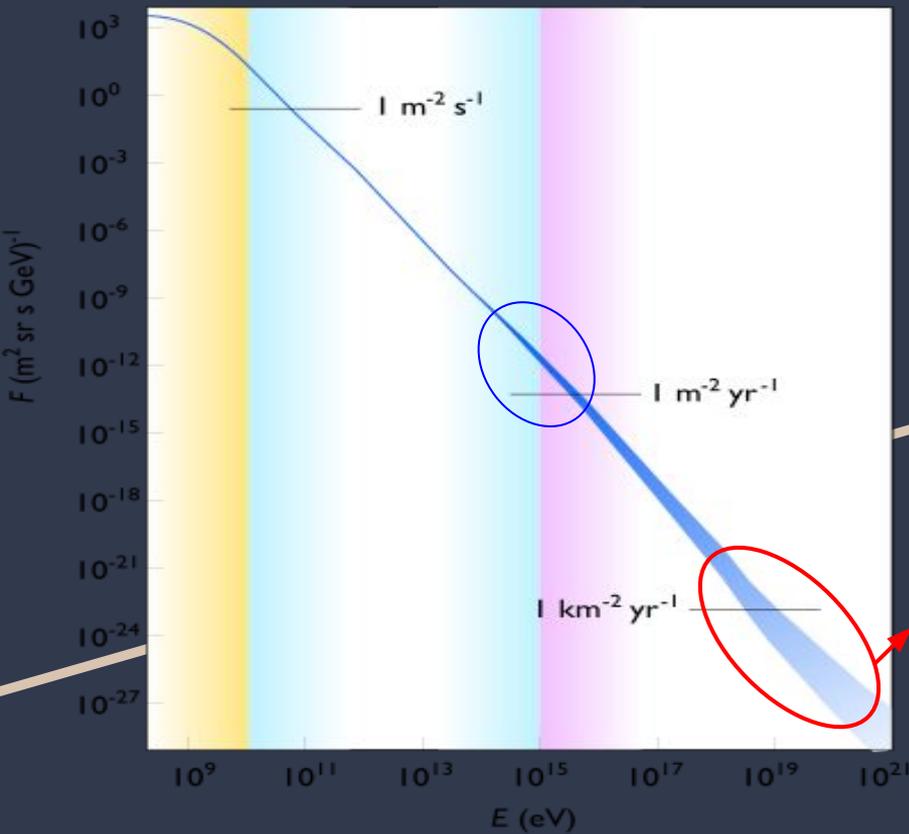
Raggi cosmici: come rivelarli?



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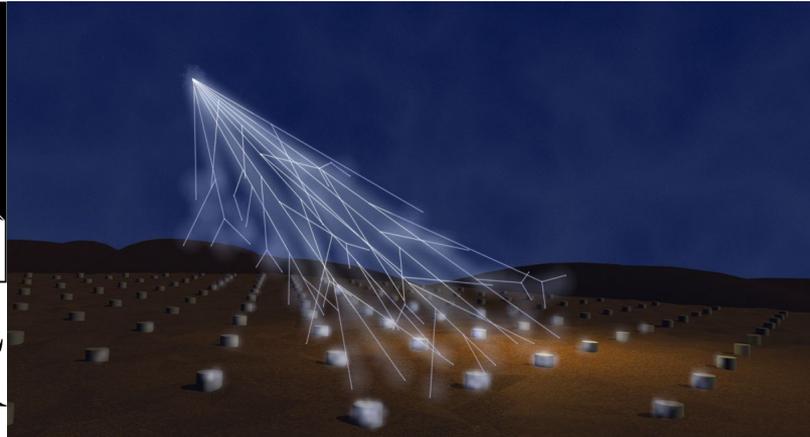
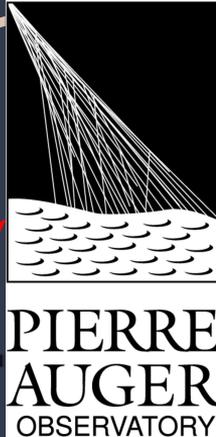
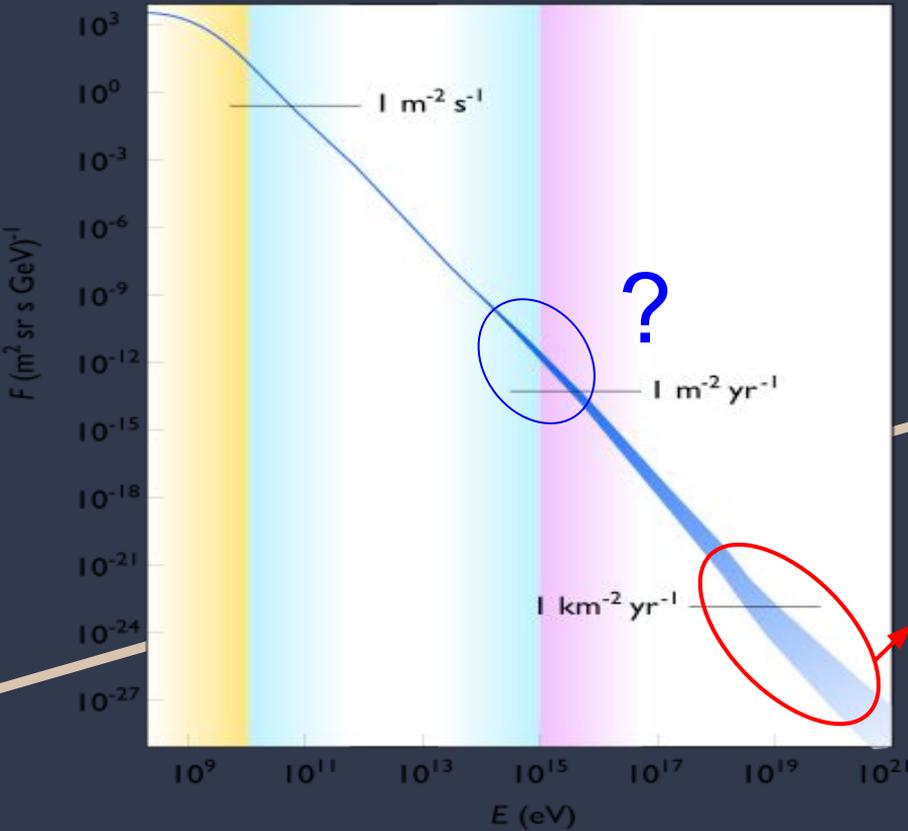
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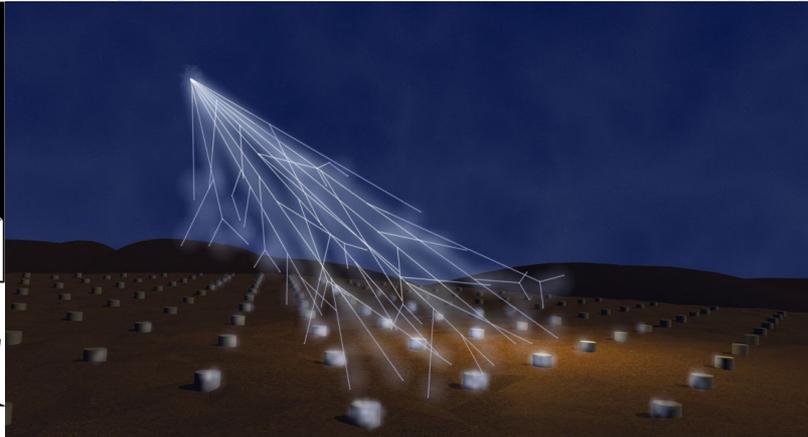
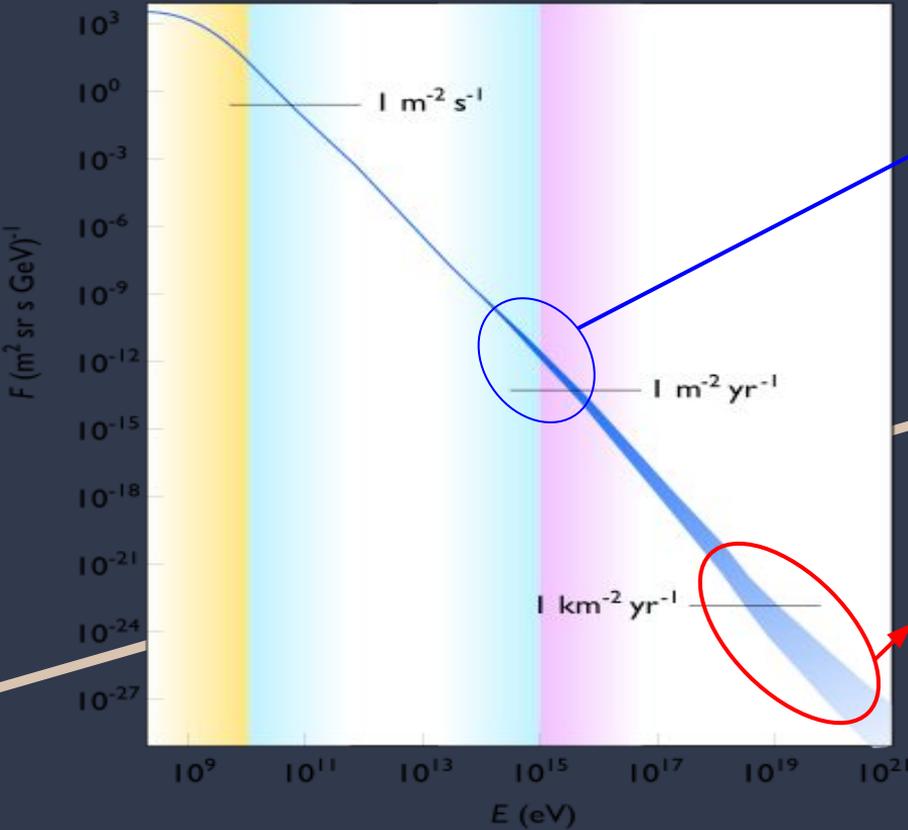
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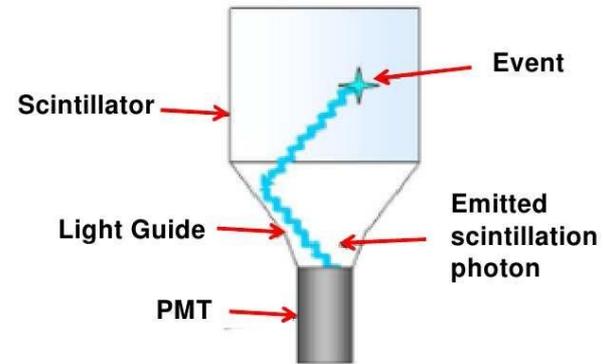
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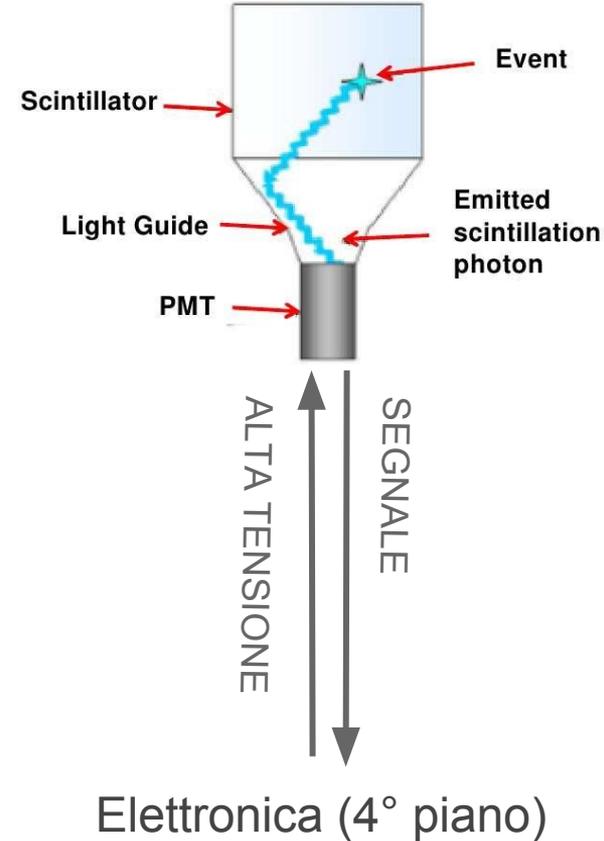
Raggi cosmici: come rivelarli?



Rivelatori a scintillazione: come sono fatti?



Rivelatori a scintillazione: come sono fatti?



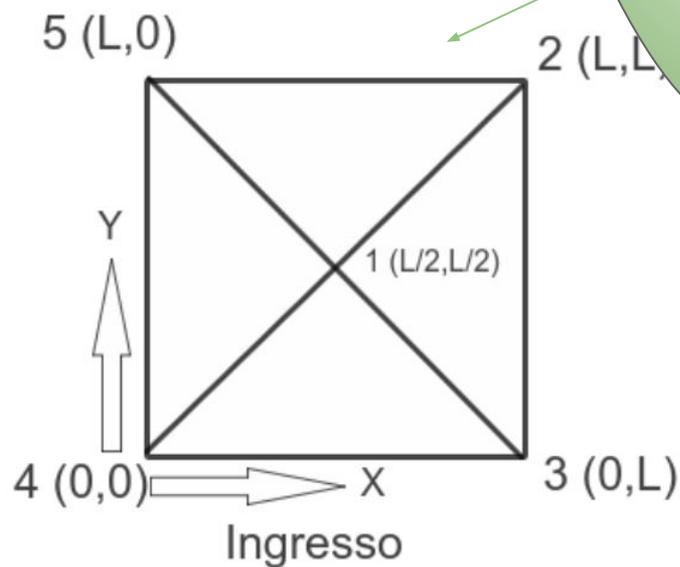
Misura in sciame

TDC: Time to
Digital Converter

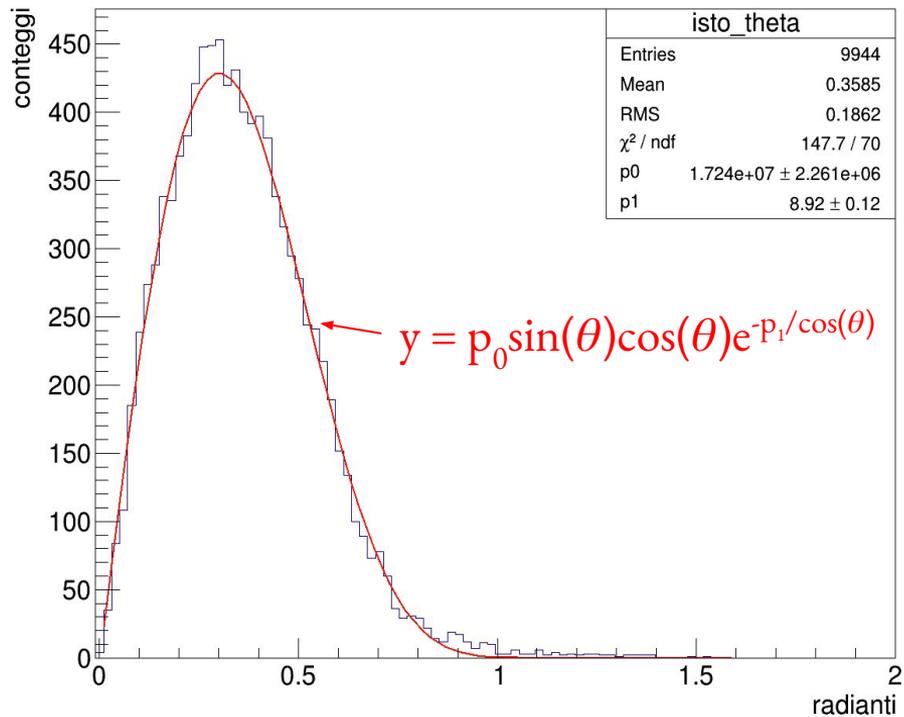
Cronometro:
misura dopo
quanto tempo le
5 stazioni sono
colpite da una
particella dello
sciame



Misura in sciame:
dalla differenza dei
tempi alla direzione
di arrivo



Misura in sciame:
dalla differenza dei
tempi alla direzione
di arrivo.
Angolo θ



Misura in sciame:
dalla differenza dei
tempi alla direzione
di arrivo.
Angolo φ

