

ALICE TRD: Results from prototype tests

Summary

Pion rejection:

- We achieved pion rejection factors of up to 500 for momenta around 2 GeV/c
- A bidimensional likelihood on energy deposit and position gives the best pion rejection factor

Radiators:

- We have established the best candidates from a large variety of tested radiators: foils, fibres, foams
- Fibres radiators exhibit good performances (comparable to foils)
- Most of the foam radiators show sizeably lower TR yield