

Status of 3-si track reconstruction in Argon data

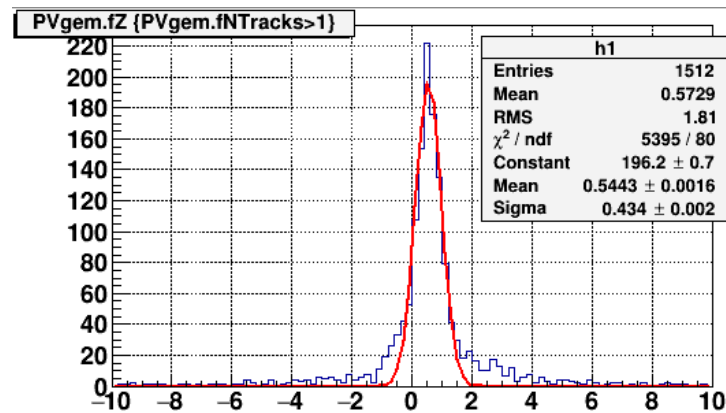
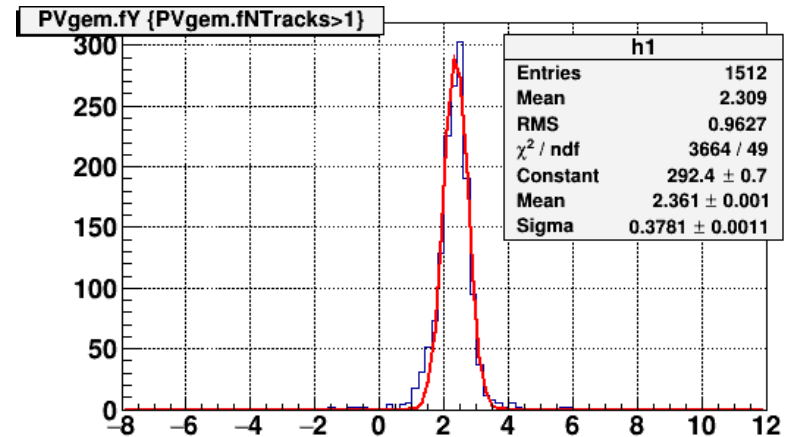
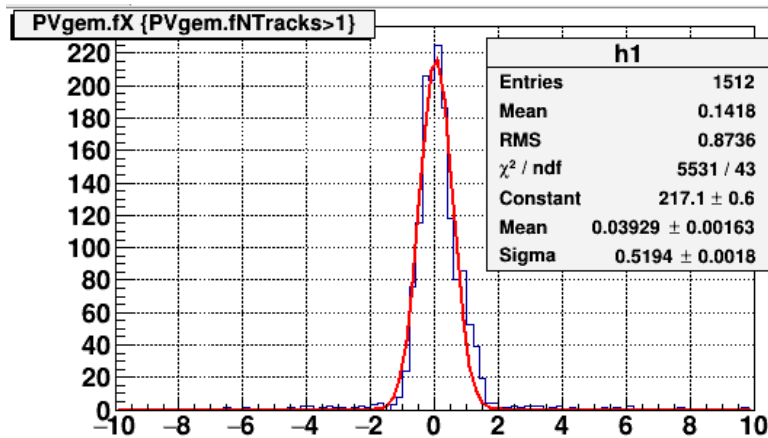
Yu.Gornaya, M.Kapishin,
V.Plotnikov, **G.Pokatashkin**,
I.Rufanov, V.Vasendina,
A.Zinchenko

JINR, Dubna, Russia

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1. PV with silicon vertex detector
 - ✓ PV with long tracks
 - ✓ PV with short tracks
 - ✓ PV with all tracks

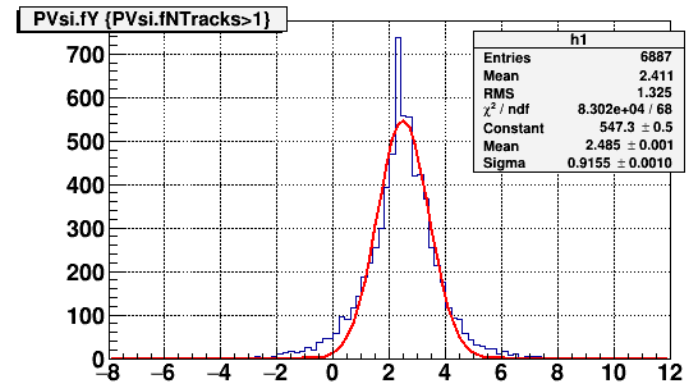
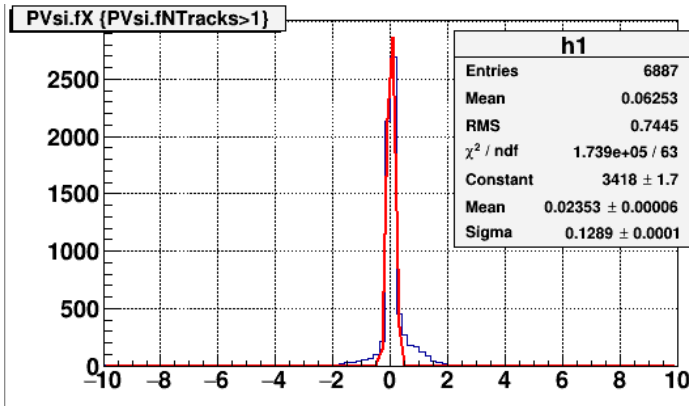
PV with long tracks



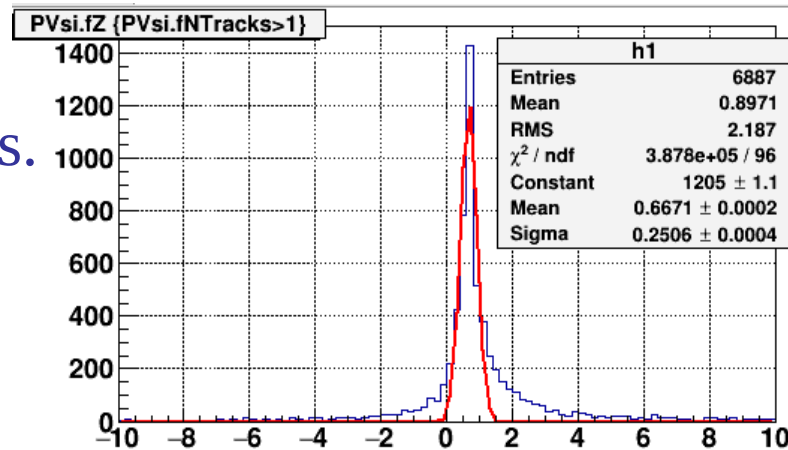
Pvxyz reconstructed with long tracks (Si hits + GEM hits)

1512 entries from 11771 selected events ~8%

PV with short tracks

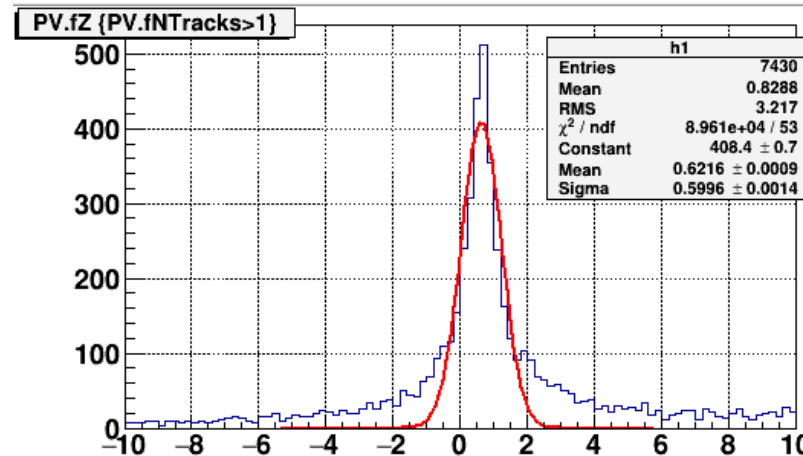
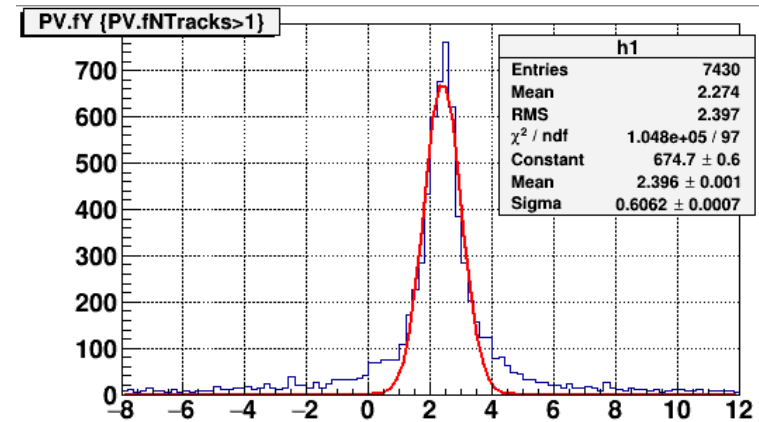
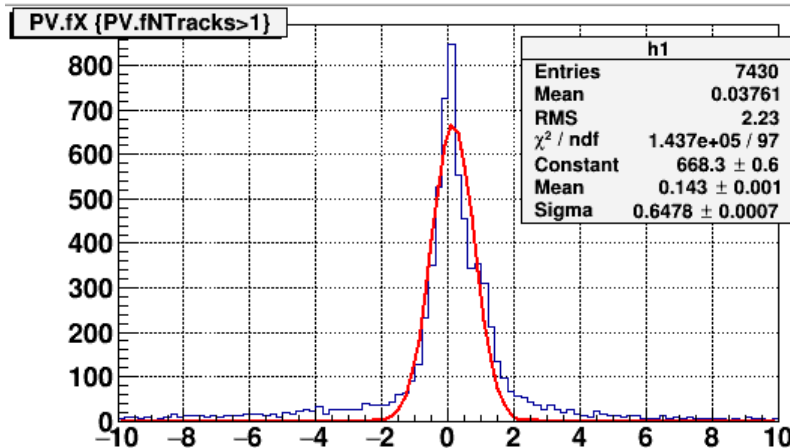


Nearest neighbor hits.
Minuit minimizer.



Pvxyz reconstructed with short tracks (Si hits only (unused))
6887 entries from 11771 selected events ~58%

PV with all tracks



Pvxyz reconstructed with all tracks (short + long)

7430 entries from 11771 selected events ~63%

3-si vertex detector helps to reconstruct PV

