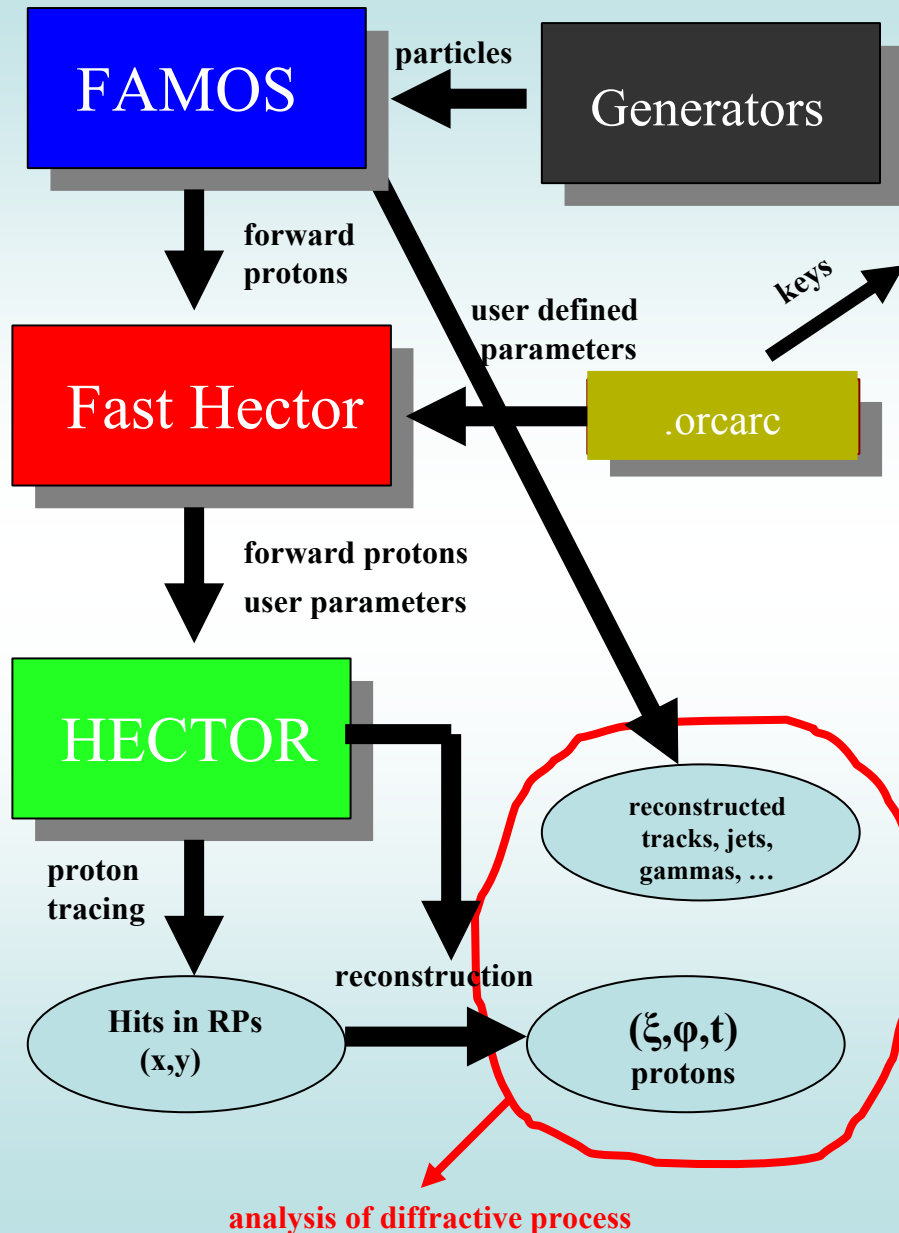




Status report of HECTOR integration to FAMOS and CMSSW with examples from HECTOR/FAMOS (ξ & t acceptance, ξ resolution)

K.Datsko (IHEP, Protvino),
V.Burtovoy (IHEP, Protvino)
A.Sobol (University of Nebraska /IHEP, Protvino)

HECTOR integrated to FAMOS



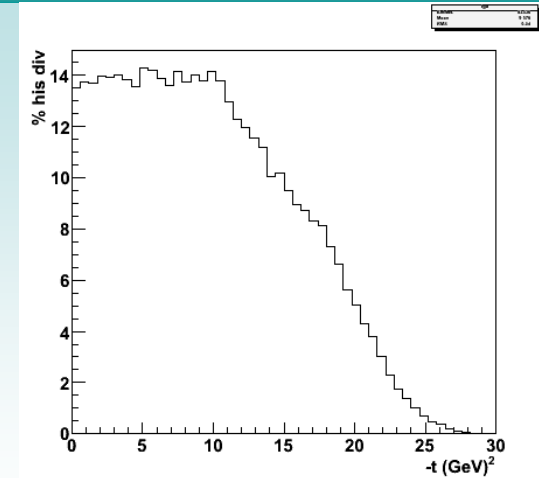
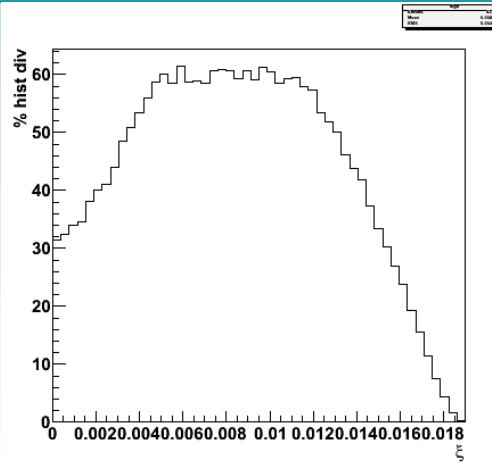
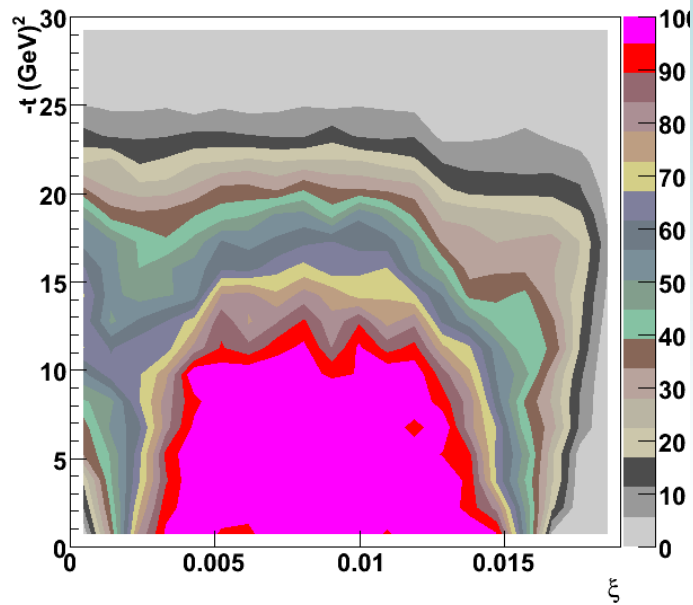
Name	Type	Default	Description
FastHector:420f	float	420.	Position of RomanPot in forward direction
FastHector:420b	float	420.	Position of RomanPot in backward direction
FastHector:BeamLength	float	430.	Beam length in both directions
FastHector:smearAng	bool	false	flag of smearing angles
FastHector:smearE	bool	false	flag of smearing energy
FastHector:smearPos	bool	true	flag of smearing (x,y) position of particle
FastHector:smearS	bool	true	flag of smearing z position of particle
FastHector:Verbosity	bool	true	verbosity level

Where is it and how to use:

- for **FAMOS 1.4.0** follow to <http://kdatko.home.cern.ch/kdatko/test/index.html>
- for **FAMOS 1.5.0** use CVS project *FastHector*

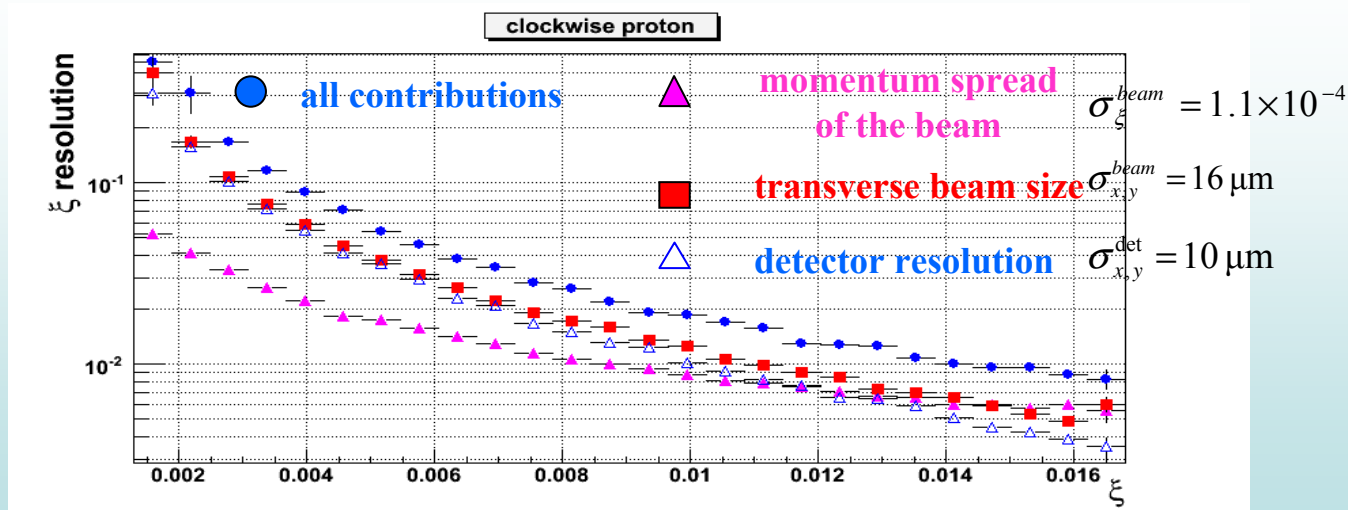
2

Some results from FAMOS/HECTOR integrated package *(from V.Burtovoy/A.Sobol)*



generated ξ and t

$$0 < t < 30 \text{ GeV}^{-2} \quad 0 < \xi < 0.02$$



Status of HECTOR/CMSSW - in preparation

PYTHIA, EDDE, ExHuMe, ...

V.1.2., V.1.3 will come

G4 based code integrated to CMSSW (Sasha)

