

Estimated Error Budget

❑ Systematical errors:

(added quadratically)

Contributions	Estimated Error
Photon flux	1.0%
Target thickness	0.5%
Background subtraction	2.0%
Event selection	1.7%
Acceptance, misalignment	0.5%
Beam energy	0.2%
Detection efficiency	0.5%
Branching ratio (PDG)	0.66%
Total Systematic	3.02%

❑ Total estimated error:

(added quadratically)

Statistical error	1.0%
Systematic error	3.02%
Total Error	3.2%