

# AMD,PHITS Analysis

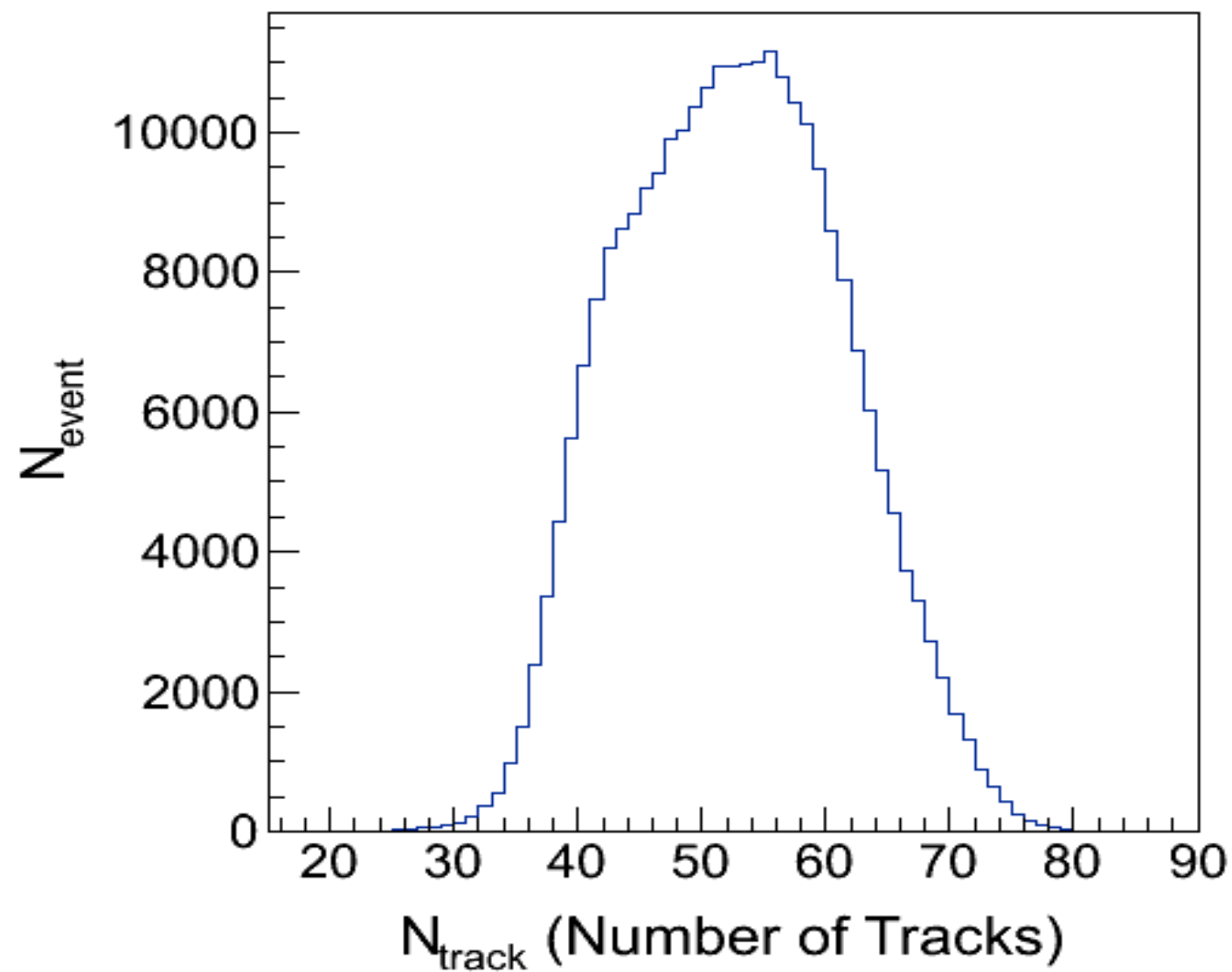
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# $^{132}\text{Sn} + ^{124}\text{Sn}$ - AMD&PHITS

	AMD	PHITS
Number of Events	$N(\text{event}) = 2010$	$N(\text{event}) = 272018$
Number of particles (per event)	$\langle N \rangle = 62.047$	$\langle N \rangle = 52.040$
Number of Neutrons (per event)	$\langle \text{neutron} \rangle = 49.783$ (80.23%)	$\langle \text{neutron} \rangle = 33.138$ (63.68%)
Number of Charged Particles (per event)	$\langle \text{charged} \rangle = 12.265$ (19.77%)	$\langle \text{charged} \rangle = 15.986$ (30.72%)
Number of Protons (per event)	$\langle \text{proton} \rangle = 5.213$ (8.40%)	$\langle \text{proton} \rangle = 10.059$ (19.33%)
Number of Gammas	no gammas	$\langle \text{gammas} \rangle = 2.916$ (5.60%)

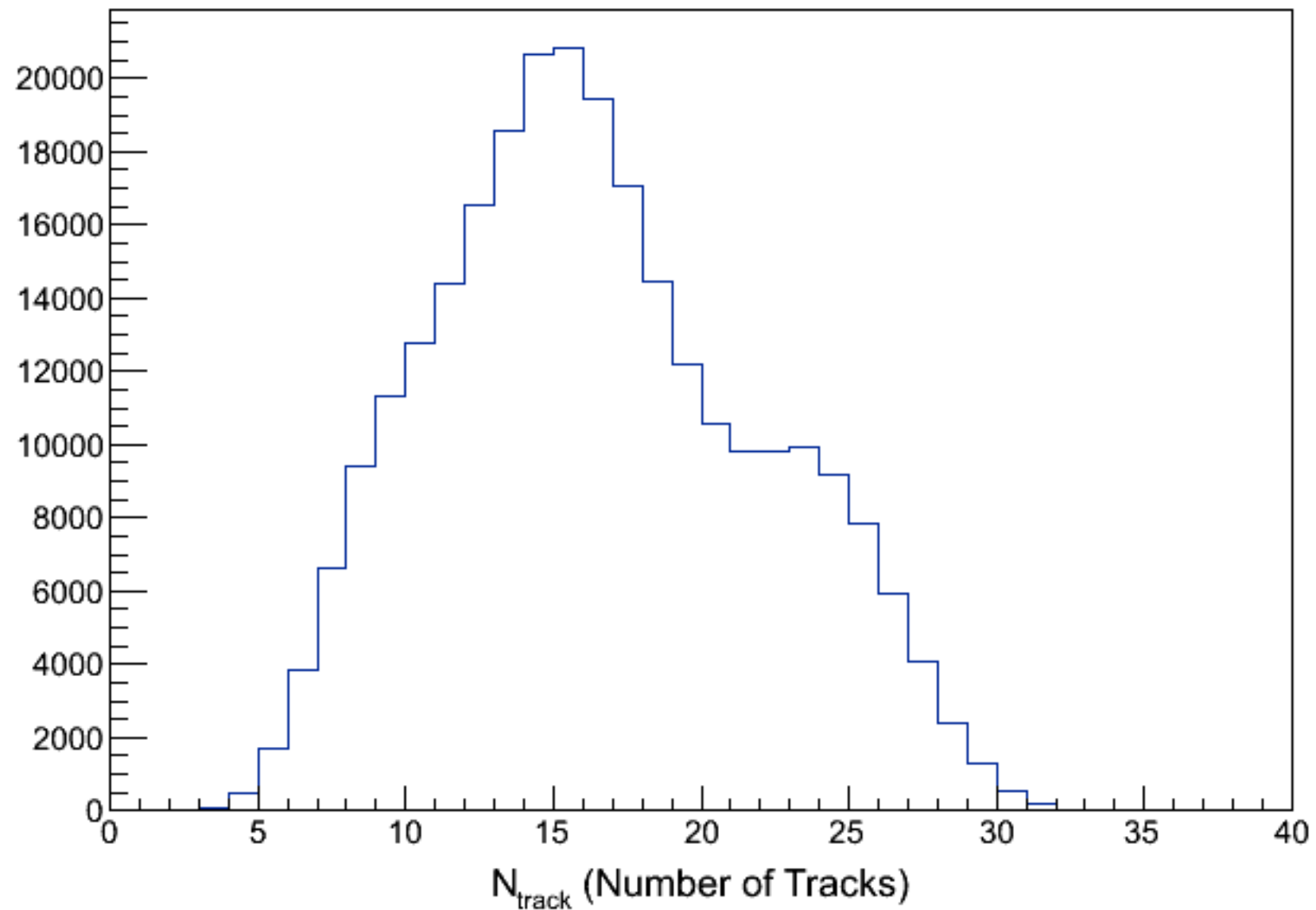
# Number of Track

$N_{\text{track}}$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  - PHITS)

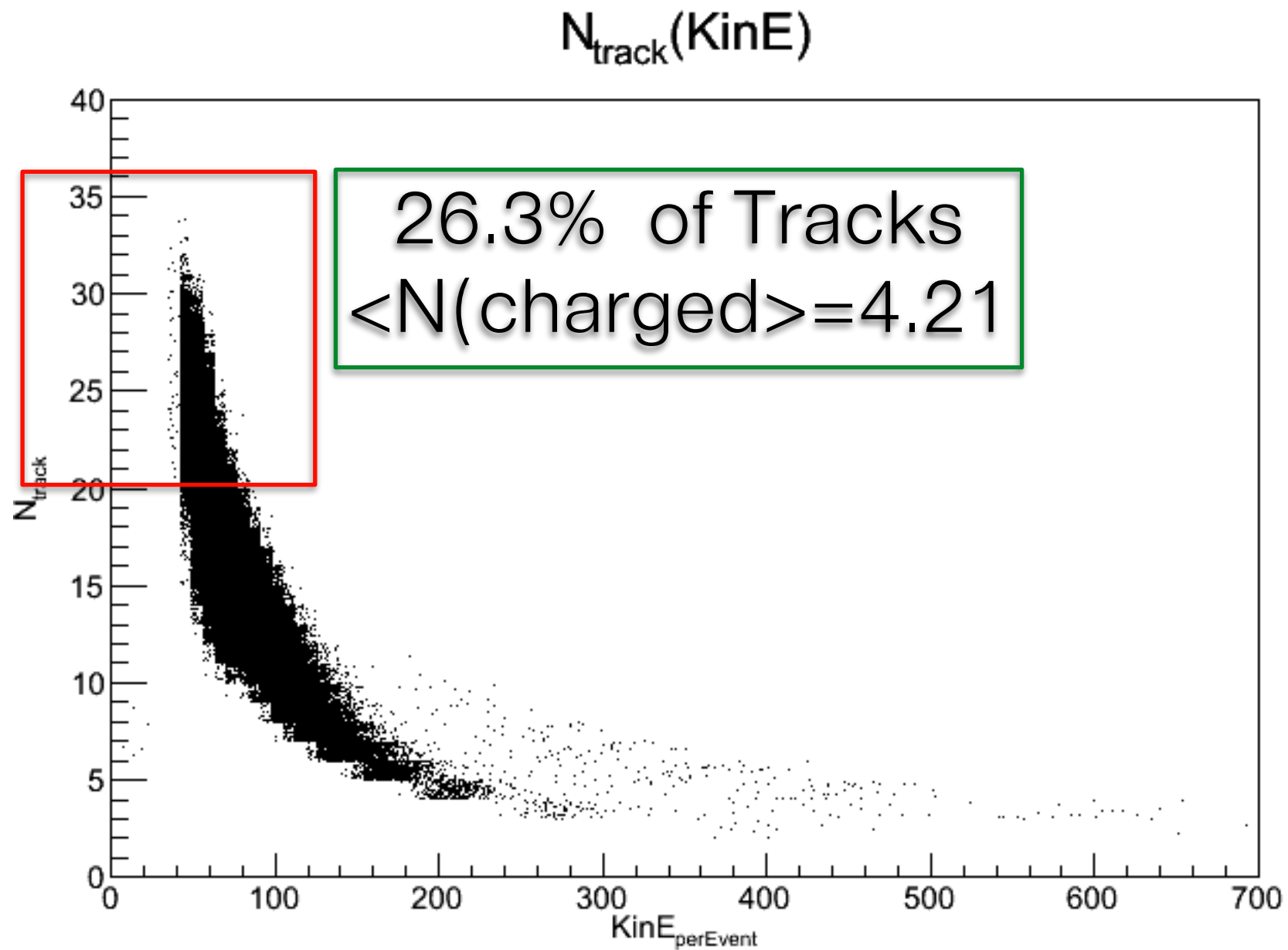


# Number of Track (charged)

$N_{\text{track}} (^{132}\text{Sn} + ^{124}\text{Sn} - \text{PHITS})$



# Number of Track (charged)

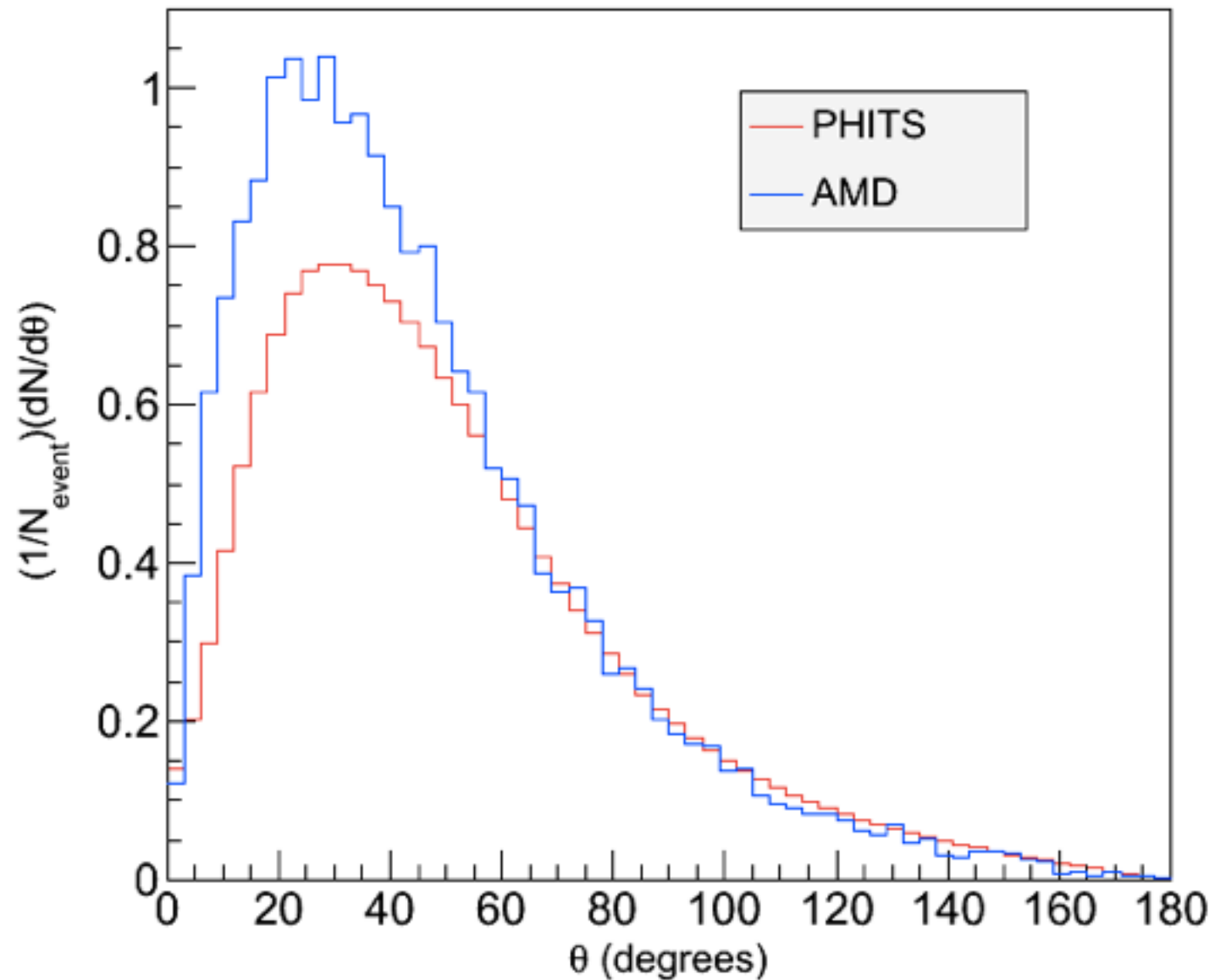


# Back-up

# Theta

(number of bins : 60)

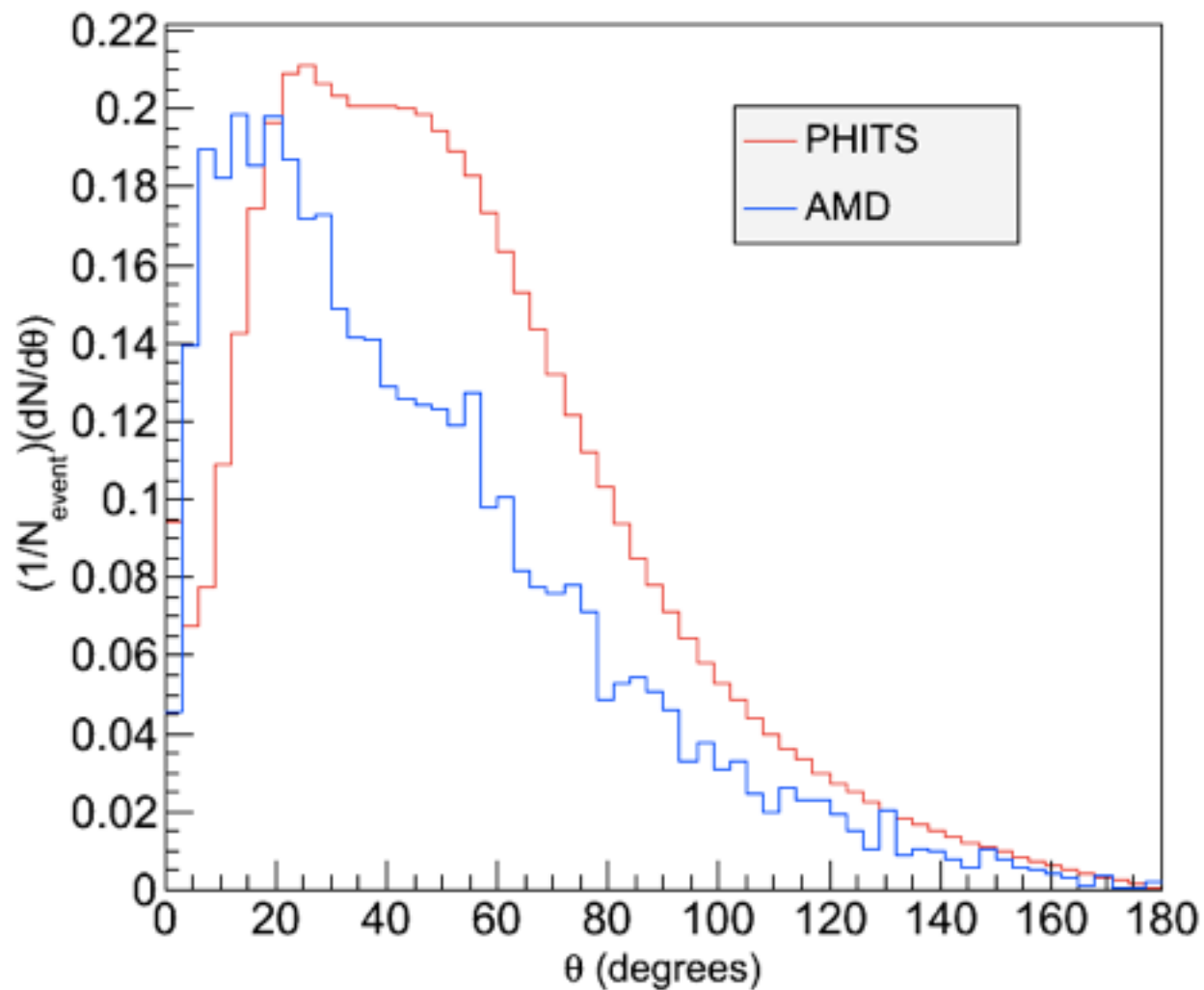
$\theta$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  (PHITS-AMD))



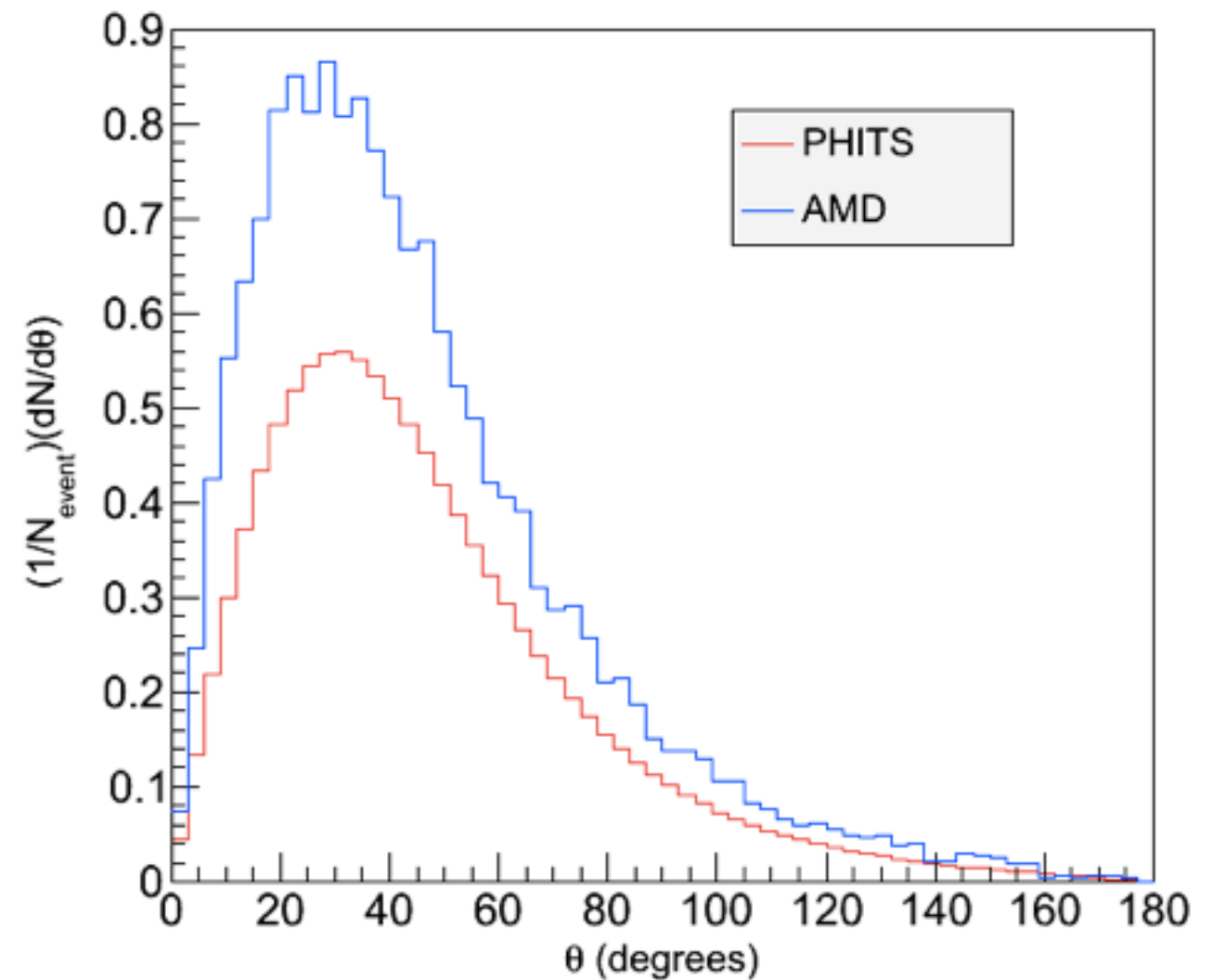
# Theta - Charged/Neutron

(number of bins : 60)

$\theta_{\text{charged}} (^{132}\text{Sn} + ^{124}\text{Sn} \text{ (PHITS-AMD)})$



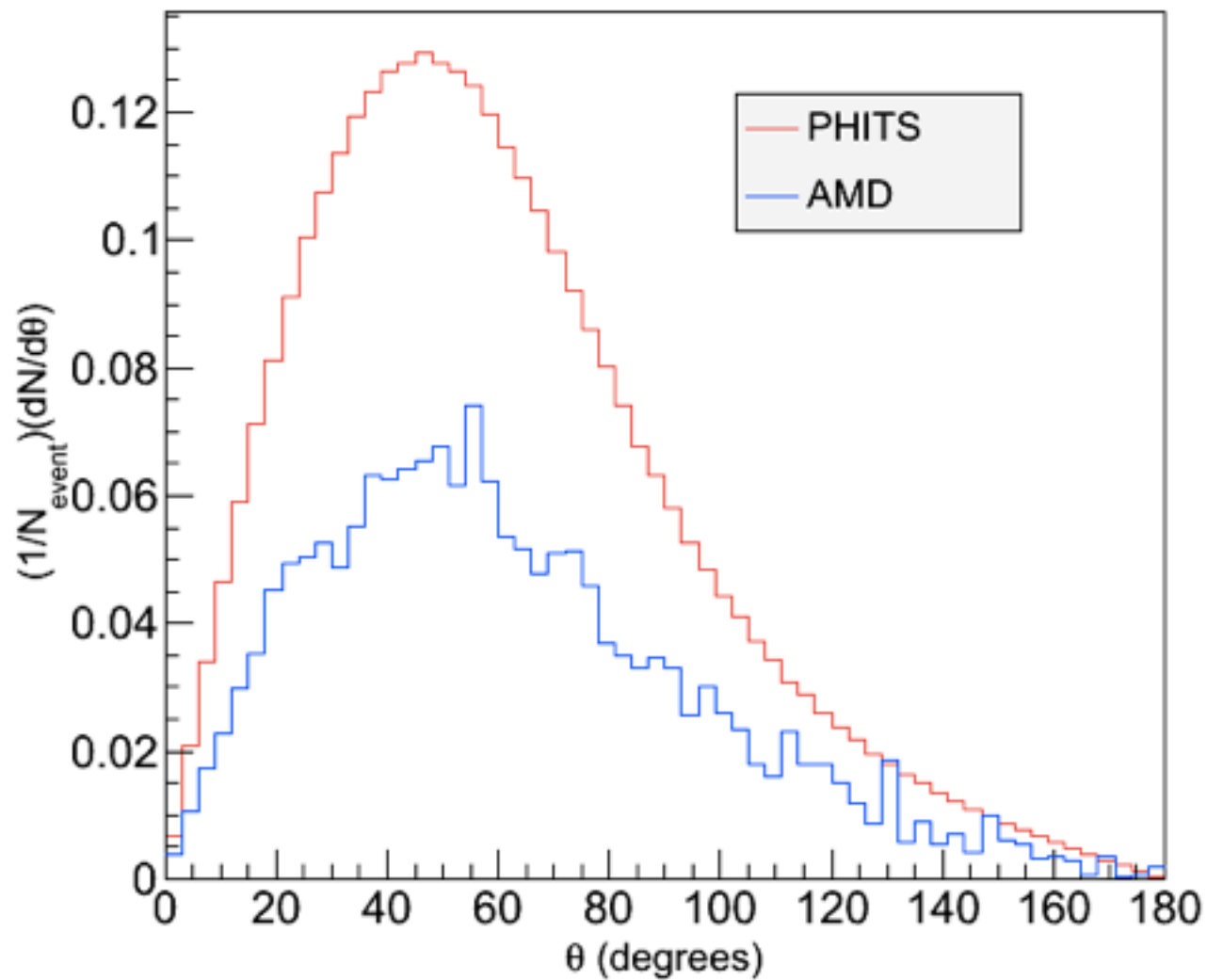
$\theta_{\text{neutron}} (^{132}\text{Sn} + ^{124}\text{Sn} \text{ (PHITS-AMD)})$



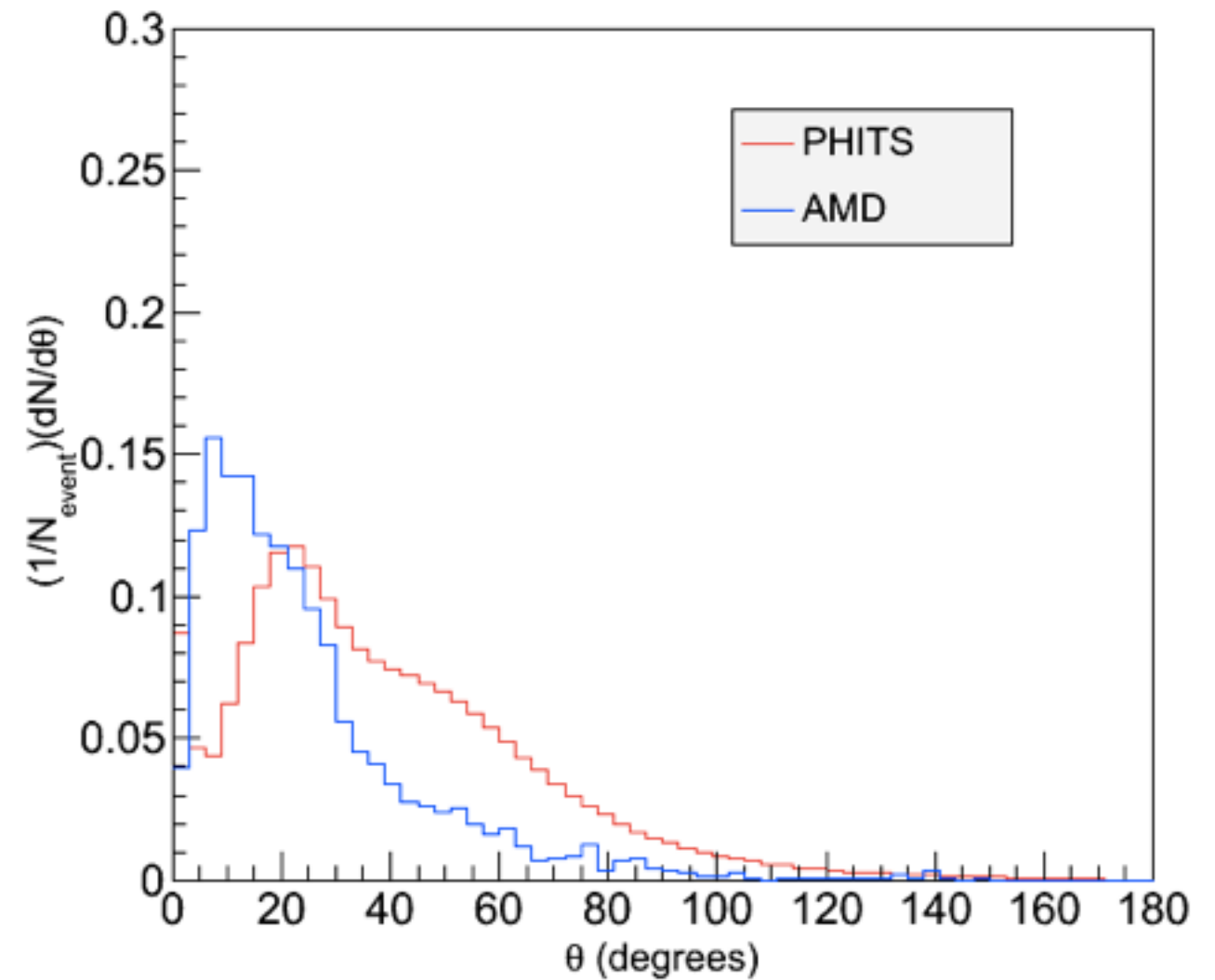


# Theta - Charged

$\theta_{\text{charged}}^{\text{proton}}$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  (PHITS-AMD))



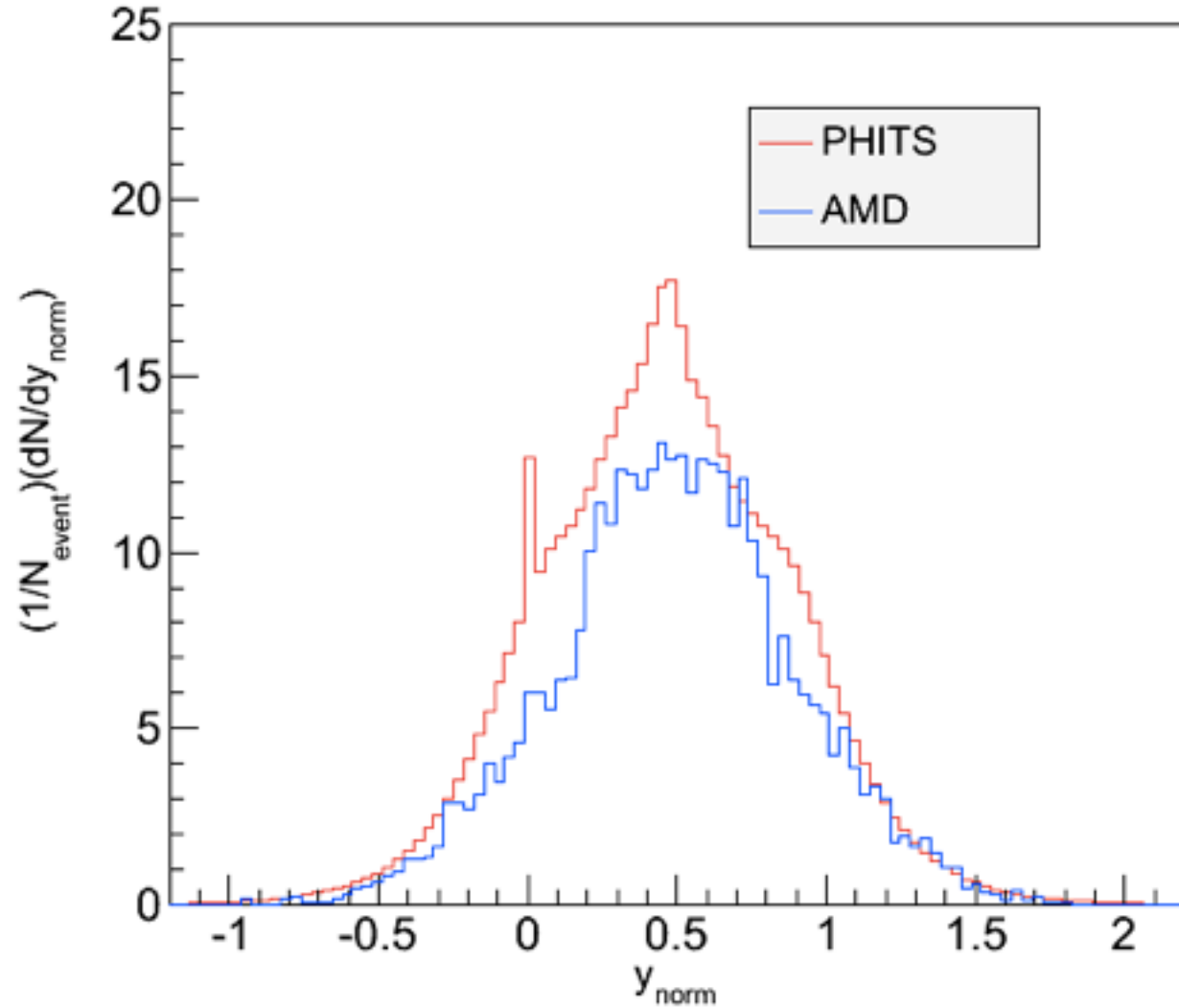
$\theta_{\text{charged}}^{\text{nonproton}}$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  (PHITS-AMD))



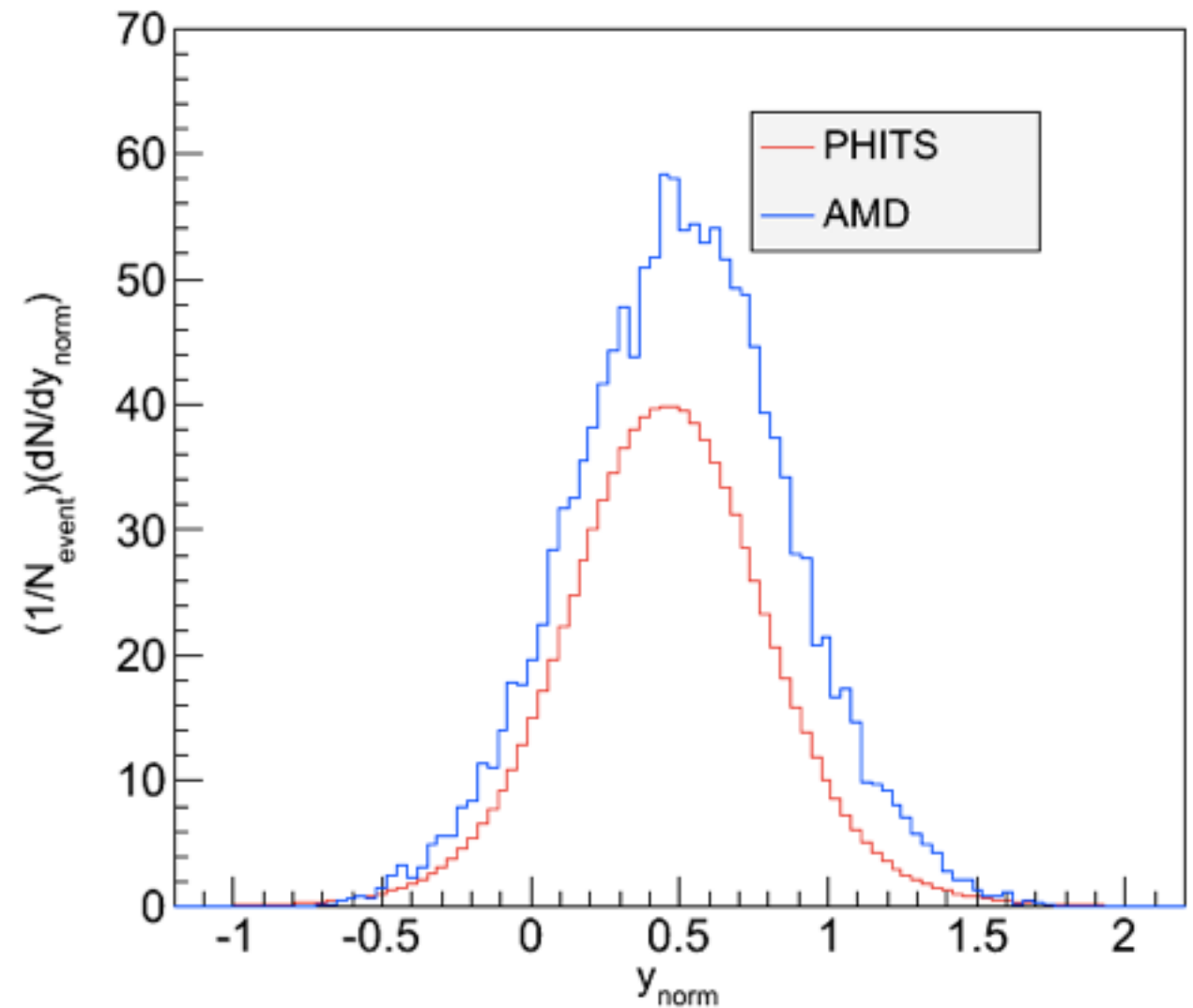
# Rapidity - AMD

(number of bins : 100)

$y_{\text{norm}}^{\text{charged}}$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  PHITS-AMD)



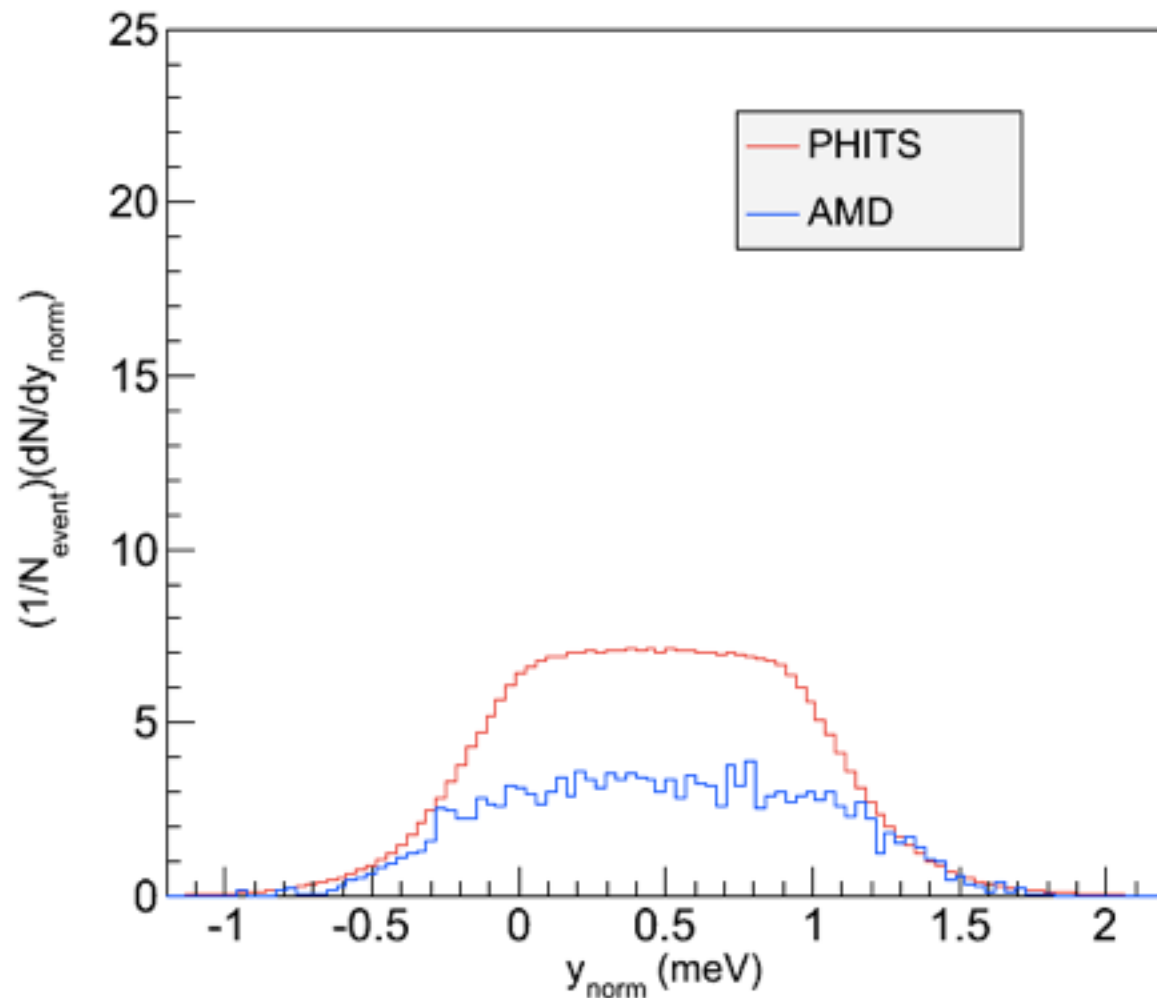
$y_{\text{norm}}^{\text{neutron}}$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  PHITS-AMD)



# Rapidity - Charged

(number of bins : 100)

$y_{\text{norm}}^{\text{proton}}$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  PHITS-AMD)



$y_{\text{norm}}^{\text{nonproton}}$  ( $^{132}\text{Sn} + ^{124}\text{Sn}$  PHITS-AMD)

