

Erratum: Inverse-kinematics proton scattering from $^{42,44}\text{S}$, $^{41,43}\text{P}$, and the collapse of the $N = 28$ major shell closure [Phys. Rev. C **100**, 044312 (2019)]

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We made a conversion error in determining the mean lifetimes in our analysis of the line shapes produced by the γ rays deexciting the first excited states of $^{41,43}\text{P}$. The correct mean lifetime results are $\tau_{(3/2^+)} = 550(70)$ not [264(33) ps] for the first excited state of ^{41}P and $\tau_{3/2^+} = 130(40)$ not [62(18) ps] for the first excited state of ^{43}P . Figures 7 and 8 presented here replace those in the original paper. These errors do not impact other results reported or the conclusions of the paper.

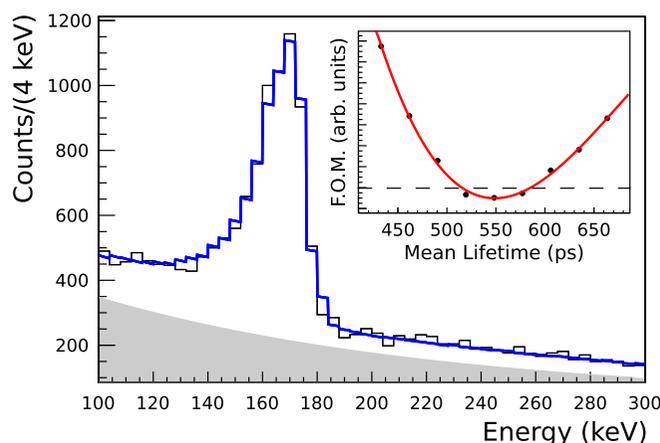


FIG. 7. The low-energy region of the projectile-frame spectrum of ^{41}P measured via inverse-kinematics proton scattering. The smooth curve is the GEANT4 fit corresponding to a mean lifetime of the $J^\pi = (3/2^+)$ first excited state of 550 ps. The inset shows the figure of merit from the fit vs the simulated mean lifetime. The dashed line corresponds to the 95% confidence interval of ± 35 ps.

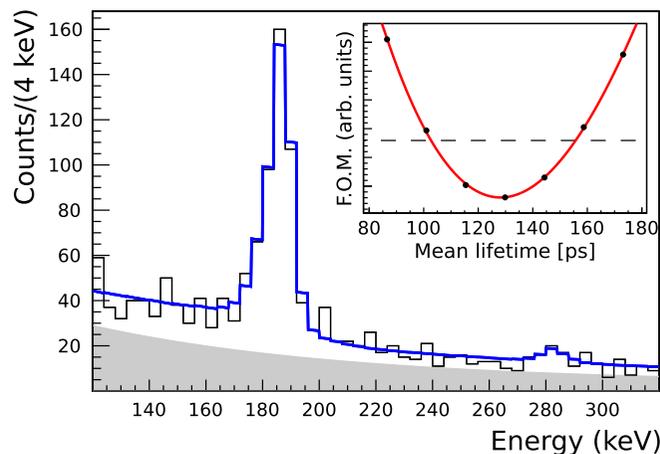


FIG. 8. The low-energy region of the projectile-frame spectrum of ^{43}P measured via inverse-kinematics proton scattering. The smooth curve is the GEANT4 fit corresponding to a mean lifetime of the $J^\pi = 3/2^+$ first excited state of 130 ps. The inset shows the figure of merit from the fit vs the simulated mean lifetime. The dashed line corresponds to the 95% confidence interval of ± 30 ps.