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$^{31}\text{P}(p, \gamma)$ and the isobaric multiplet mass equation SMARAJIT TRI-
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OF WASHINGTON TEAM — We present results of a recent $^{31}\text{P}(p, \gamma)$ experiment to
test the isobaric multiplet mass equation (IMME). The energies of the de-excitation
 γ rays were measured with high precision to obtain the excitation energy of lowest
 $T = 2$ state of ^{32}S . Our result, together with a recent measurement of the ^{32}Ar mass,
makes the $A = 32$ multiplet the most precisely measured $T = 2$ quintet provides the
most stringent test of the isobaric multiplet mass equation.

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