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Memo CP-C/305

**DATE:** May 9, 2002  
**TO:** Distribution  
**FROM:** V. McLane  
**SUBJECT:** New Legendre polynomial modifier

I would like to introduce a new modifier  $2XL$  for Legendre polynomials of the form:

$DA, , LEG/2XL = a_{2l}$  (unit type DA, e.g., B/SR) where:

$$\frac{d\sigma}{d\Omega}(E, \theta) = a_0 + \sum_{l=1}^n a_{2l}(E) P_{2l}(\cos \theta)$$

I think there have been such fitting coefficients compiled in the past without a modifier. I will look into finding and updating them, if needed.

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