

## **ENDF vs IKE for HST42**

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Using the continuous-sampling version of MCNP with preVII cross sections and 332.6 mb for the hydrogen capture (C/E values):

<b>Case</b>	<b>ENDF</b>	<b>IKE (Mattes)</b>
-1	1.0076(17)	1.00023(17)
-2	.99899(17)	.99889(16)
-3	.99999(14)	1.00025(13)
-5	.99849(11)	.99922(09)
-7	.99962(10)	.99971(09)
-8	1.00023(08)	.99998(09)
<b>Average (C/E)</b>	<b>.99968</b>	<b>.99971</b>

Not much difference at room temperature.