BrIcc - changes

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CC - Total conversion coefficient

Present practice:

- CC(DCC) – experimental value if it is known; "CC$" should be on G-comment record
- Calculated CC for pure multipolarities, CC(DCC) for mixed transitions; DCC also given if DCC/CC large

Problem: BrIcc could overwrite experimental CC

Proposal:

a) If CC(DCC) populated and G-comment card has "CC$" or "CC " (c10:20), put calculated CC(DCC) on S_G card

b) If the calculated CC(DCC) different to CC(DCC) on the G-record, flag it in the calculation report

c) If CC(DCC) blank or NO "CC$" in G-comment record, insert CC(DC) onto G-card

CC – E0+M1+E2 Total conversion coefficient

Proposal:

Do not put CC(M1+E2) value and flag it

NS_RadList – new ENSDF cards: ^{103}Pd EC

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#  Nuclear decay data ========================================
#    ENSDF file: 103Pd_EC.ens
103RH  AM E(Tot)= 0.416$ I(Tot)= 9.78E+02$
103RH2 AM E(Ktot)= 17.758$ I(Ktot)= 1.77E+00$
103RH3 AM E(KLL)= 16.857$ I(KLL)= 1.24E+00$
103RH4 AM E(KLX)= 19.627$ I(KLX)= 4.88E-01$
103RH5 AM E(KXY)= 22.332$ I(KXY)= 4.49E-02$
103RH6 AM E(Ltot)= 1.695$ I(Ltot)= 1.71E+02$
103RH7 AM E(CK_LLM)= 0.053$ I(CK_LLM)= 3.24E+01$
103RH8 AM E(CK_LLX)= 0.209$ I(CK_LLX)= 1.48E+01$
103RH9 AM E(LMM)= 2.238$ I(LMM)= 1.03E+02$
103RHA AM E(LMX)= 2.607$ I(LMX)= 1.95E+01$
103RHB AM E(LXY)= 2.987$ I(LXY)= 1.01E+00$
103RHC AM E(Mtot)= 0.203$ I(Mtot)= 3.83E+02$
103RHD AM E(CK_MMX)= 0.093$ I(CK_MMX)= 1.03E+02$
103RHE AM E(MXY)= 0.243$ I(MXY)= 2.80E+02$
103RHF AM E(Ntot)= 0.018$ I(Ntot)= 4.22E+02$
103RHG AM E(SCK_NNN)= 0.018$ I(SCK_NNN)= 3.92E+02$
103RHH AM E(CK_NNX)= 0.019$ I(CK_NNX)= 3.05E+01$
103RH  XM E(tot)= 11.995$ I(tot)= 1.44E+01$
103RH2 XM E(Ktot)= 20.661$ I(Ktot)= 7.47E+00$
103RH3 XM E(KL2)= 20.134$ I(KL2)= 2.16E+00$
103RH4 XM E(KL3)= 20.279$ I(KL3)= 4.08E+00$
103RH5 XM E(KM)= 22.781$ I(KM)= 1.03E+00$
103RH6 XM E(KM2)= 22.763$ I(KM2)= 3.45E-01$
103RH7 XM E(KM3)= 22.788$ I(KM3)= 6.76E-01$
103RH8 XM E(KN)= 23.237$ I(KN)= 2.03E-01$
103RH9 XM E(KN2)= 23.233$ I(KN2)= 6.90E-02$
103RHA XM E(KN3)= 23.239$ I(KN3)= 1.33E-01$
103RHB XM E(Ltot)= 2.748$ I(Ltot)= 6.69E+00$
103RHC XM E(Mtot)= 0.328$ I(Mtot)= 1.89E-01$
103RHD XM E(Ntot)= 0.056$ I(Ntot)= 5.32E-02$
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- New ENSDF record type "M" (col. 8) and with "A" (Auger) and "X" (X-ray) in column 7
- Only appears in DECAY data sets just before the ground state level record
- Entry E(tot)=<mean energy>$ I(tot)=<total intensity>;
- Energy 3 digits (eV);
- Intensity 3 significant digits
- Intensities cut off: 1.0E-4/decay
- I(511)=sum(I_beta+)+sum(I_g*ICC_Tpf)
- No spaces in AM XM records
- Use 2_AM, 2_XM