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### 8 reference(s) found :

**Keynumber:** 1985VOZV

**Reference:** Proc.AIP Conf.Capture Gamma-Ray Spectroscopy and Related Topics, Knoxville, Tenn., (1984), S.Raman, Ed., AIP, New York, p.305 (1985)

**Authors:** T.von Egidy, P.Hungerford, H.H.Schmidt, H.J.Scheerer, A.N.Behkami, G.Hlawatsch, B.Krusche, K.P.Lieb, H.G.Borner, S.A.Kerr, K.Schreckenbach

**Title:** Structural and Statistical Aspects of Extensive Level Schemes from (n, $\gamma$ ) and Transfer Reactions

**Keyword abstract:** NUCLEAR REACTIONS  $^{19}\text{F}$ ,  $^{23}\text{Na}$ ,  $^{27}\text{Al}$ ,  $^{35}\text{Cl}$ ,  $^{39, 40, 41}\text{K}$ ,  $^{113}\text{Cd}$ ,  $^{133}\text{Cs}$ ,  $^{154}\text{Sm}$ ,  $^{153}\text{Eu}$ ,  $^{154}\text{Gd}$ ,  $^{160, 162}\text{Dy}$ (n, $\gamma$ ), (n,e),E not given; measured not given.  $^{20}\text{F}$ ,  $^{24}\text{Na}$ ,  $^{28}\text{Al}$ ,  $^{36}\text{Cl}$ ,  $^{40, 41, 42}\text{K}$ ,  $^{114}\text{Cd}$ ,  $^{134}\text{Cs}$ ,  $^{155}\text{Sm}$ ,  $^{154}\text{Eu}$ ,  $^{155}\text{Gd}$ ,  $^{161, 163}\text{Dy}$  deduced levels, $\gamma$ -transition multipolarity,strength distribution.

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**Keynumber:** 1984KR05

**Reference:** Nucl.Phys. A417, 231 (1984)

**Authors:** B.Krusche, K.P.Lieb, L.Ziegeler, H.Daniel, T.Von Egidy, R.Rascher, G.Barreau, H.G.Borner, D.D.Warner

**Title:** Spectroscopy of  $^{41}\text{K}$  by Thermal Neutron Capture in  $^{40}\text{K}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{40}\text{K}$ (n, $\gamma$ ),E=thermal; measured E $\gamma$ ,I $\gamma$ .  $^{41}\text{K}$  deduced levels,J, $\pi$ , $\gamma$ -branching,neutron binding energy. Constant temperature Fermi gas model.

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**Keynumber:** 1983SA30

**Reference:** Aust.J.Phys. 36, 583 (1983)

**Authors:** D.G.Sargood

**Title:** Effect of Excited States on Thermonuclear Reaction Rates

**Keyword abstract:** NUCLEAR REACTIONS,ICPND  $^{20, 21, 22}\text{Ne}$ ,  $^{23}\text{Na}$ ,  $^{24, 25, 26}\text{Mg}$ ,  $^{27}\text{Al}$ ,  $^{28, 29, 30}\text{Si}$ ,  $^{31}\text{P}$ ,  $^{32, 33, 34, 36}\text{S}$ ,  $^{35, 37}\text{Cl}$ ,  $^{36, 38, 40}\text{Ar}$ ,  $^{39, 40, 41}\text{K}$ ,  $^{40, 42, 43, 44, 46, 48}\text{Ca}$ ,  $^{45}\text{Sc}$ ,  $^{46, 47, 48, 49, 50}\text{Ti}$ ,  $^{50, 51}\text{V}$ ,  $^{50, 52, 53, 54}\text{Cr}$ ,  $^{55}\text{Mn}$ ,  $^{54, 56, 57, 58}\text{Fe}$ ,  $^{59}\text{Co}$ ,  $^{58, 60, 61, 62, 64}\text{Ni}$ ,  $^{63, 65}\text{Cu}$ ,  $^{64, 66, 67}\text{Zn}$ (n, $\gamma$ ), (n,p), (n, $\alpha$ ), (p, $\gamma$ ), (p,n), (p, $\alpha$ ), ( $\alpha$ , $\gamma$ ), ( $\alpha$ ,n), ( $\alpha$ ,p),  $^{70}\text{Zn}$ (p, $\gamma$ ), (p,n), (p, $\alpha$ ), ( $\alpha$ , $\gamma$ ), ( $\alpha$ ,n), ( $\alpha$ ,p),E=low; compiled target thermal distribution energy state to ground state thermonuclear reaction rate of reaction  $\sigma$  vs temperature. Statistical model.

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**Keynumber:** 1980PIZN

**Coden:** CONF Kiev(Neutron Physics) Proc,Part3,P270,Pisanko

**Keyword abstract:** NUCLEAR REACTIONS  $^{22, 23}\text{Na}$ ,Mg,  $^{24, 25, 26}\text{Mg}$ ,  $^{27}\text{Al}$ ,Si,  $^{28, 29, 30}\text{Si}$ ,  $^{31}\text{P}$ ,S,  $^{32, 33, 34}\text{S}$ ,Cl,  $^{35, 36, 37}\text{Cl}$ ,Ar,  $^{36, 38, 40}\text{Ar}$ ,K,  $^{39, 40, 41}\text{K}$ ,Ca,  $^{40, 42, 43, 44, 46, 48}\text{Ca}$ ,  $^{45, 46}\text{Sc}$ ,Ti,  $^{46, 47, 48, 49, 50}\text{Ti}$ ,V,  $^{50, 51}\text{V}$ ,Cr,  $^{50, 52, 53, 54}\text{Cr}$ ,Fe,  $^{54, 56, 57, 58}\text{Fe}$ ,  $^{59}\text{Co}$ ,Ni,  $^{58, 59, 60, 61, 62, 64}\text{Ni}$ ,Cu,  $^{63, 65}\text{Cu}$ ,Zn,  $^{64, 66, 67, 68, 70}\text{Zn}$ ,Ga,  $^{69, 71}\text{Ga}$ (n, $\gamma$ ), (n,n), (n, $\alpha$ ),E=thermal; evaluated  $\sigma$ ,radiative capture resonance integrals.

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**Keynumber:** 1971BE05

**Reference:** Phys.Rev. C3, 208 (1971)

**Authors:** D.F.Beckstrand, E.B.Shera

**Title:**  $^{40}\text{K}$ (n, $\gamma$ ) $^{41}\text{K}$  Reaction and the Level Structure of  $^{41}\text{K}$

**Keyword abstract:** NUCLEAR REACTIONS  $^{40}\text{K}$ (n, $\gamma$ ),E=thermal; measured E $\gamma$ ,I $\gamma$ , $\gamma\gamma$ -coin; deduced Q.

<sup>41</sup>K deduced levels,J, $\pi$ , $\gamma$ -branching.

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**Keynumber:** 1971ARZJ

**Coden:** CONF Legnaro(1f<sub>7/2</sub> Nuclei),P251

**Keyword abstract:** NUCLEAR REACTIONS <sup>36</sup>Ar, <sup>40</sup>Ar, <sup>40</sup>K, <sup>40</sup>, <sup>42</sup>, <sup>44</sup>, <sup>46</sup>, <sup>48</sup>Ca, <sup>47</sup>Ti, <sup>55</sup>Mn, <sup>57</sup>Fe, <sup>59</sup>Co(n, $\gamma$ ),E=thermal; surveyed E $\gamma$ ,I $\gamma$ , $\gamma\gamma$ -coin, $\gamma\gamma$ ( $\theta$ ), $\gamma$ -polarization data. <sup>37</sup>Ar, <sup>41</sup>Ar, <sup>41</sup>K, <sup>41</sup>, <sup>43</sup>, <sup>45</sup>, <sup>47</sup>, <sup>49</sup>Ca, <sup>48</sup>Ti, <sup>56</sup>Mn, <sup>58</sup>Fe, <sup>60</sup>Co deduced levels,J, $\pi$ , $\gamma$ -mixing.

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**Keynumber:** 1970SHZZ

**Coden:** REPT NCSAC-33 P148

**Keyword abstract:** NUCLEAR REACTIONS <sup>40</sup>K(n, $\gamma$ ),E=thermal; measured E $\gamma$ ,I $\gamma$ , $\gamma\gamma$ -coin. <sup>41</sup>K deduced levels,J, $\pi$ , $\gamma$ -branching.

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**Keynumber:** 1970BEZM

**Coden:** THESIS D F Beckstrand, Brigham Young Univ, DABBB 31B 6816

**Keyword abstract:** NUCLEAR REACTIONS <sup>40</sup>K(n, $\gamma$ ),E=thermal; measured E $\gamma$ ,I $\gamma$ , $\gamma\gamma$ -coin. <sup>39</sup>K (t,p),E=7.5 MeV; measured  $\sigma$ (Ep, $\theta$ ). <sup>41</sup>K deduced levels,J, $\pi$ .