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### 3 reference(s) found :

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

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**Keynumber:** 1980PIZN

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

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

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**Keynumber:** 1975MUZX

**Coden:** JOUR BAPSA 20 168 HB20

**Keyword abstract:** NUCLEAR REACTIONS <sup>38</sup>Ar, <sup>54</sup>Fe(n,γ), E=thermal; calculated σ.