

**AN UPPER LIMIT FOR THE SURFACE  
TEMPERATURE OF A NEUTRON STAR**

**K. Tennakone and M. G. C. Peiris**

*(Department of Physics University of Sri Lanka,  
Vidyodaya Campus, Nugegoda)*

It is shown that to prevent very rapid loss of mass from the surface of a neutron star due to neutron evaporation, the surface temperature immediately after its birth must be less than  $10^{11}$  °K.