

## Re: What if hypervelocity star came near Sun?

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- *From:* "Sao 67174" <Sao\_67174@xxxxxxxxxx>
  - *Date:* Sun, 26 Nov 2006 23:09:01 +0100
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"Raghar" <RagharA2@xxxxxxxxxx> ha scritto nel messaggio  
[news:1164577673.871627.270680@xx](mailto:news:1164577673.871627.270680@xx)

Ian Stirling wrote:

In sci.space.policy OG <owen@xxxxxxxxxxxxxxxxxxxxxxxx> wrote:  
Neglecting the gravitational effects.  
What happens to the interacting solar winds/magnetic fields of the two  
stars?

It would be too weak to talk about it

Nothing for the solar winds, only that the limit of heliosphere should  
change  
from 80 A.U. toward the Sun, until 40, 20, 10 A.U.? For the Earth  
it should be not very big problems, the solar wind of Sun deflect  
a side of galactic cosmic rays but if the limit of heliosphere it's more of  
1.A.U., better 2 A.U. we not should have big problems.  
For the magnetic field, yes this can to change the magnetic field of  
Sun in the Solar Sistem then the Earth magnetic field should change  
dimension and form, perharps we can have more auroras, perharps  
until Equator, we should have perturbations in radio link on the surface  
of our planet and too with artificial satellites, we should too have  
changes in weather and if this accross many years too on vegetation  
and then too on animals and naturally on our civilisation.  
All this if the "guest" star has 1 solar mass and pass at 80 A.U.  
We must remember that all the effects are heavy linked at the  
mass of the star, its minimal distance from the Sun, its speed  
(then the time of passage), the path of the star and too the type  
of star, a little red star it's different from a Wolf-Rayet!  
Sao 67174