

# ***Genie in a Bottle***

*An adaptation of Christina Aguilera's "Genie in a Bottle" written and performed by Lynda Williams for the 13th IEEE International Pulsed Power Conference in Las Vegas, 2001*

Every star in the Universe has at its core a furnace  
that's burning with fusion.

And in our local galaxy every star that we see  
is shining with fusion. (I know you want some!)

Oh feel our sun shine on everyone with fusion!

If you want to make fusion on Earth  
There's a price to pay  
It's a genie in a bottle at a hundred million K.

If you want to make fusion on Earth  
There's a price to pay  
It's a genie in a bottle you got confine it some way.

Plasma in a tokamak you gotta heat it up till it reacts  
burning hydrogen into helium.  
Inject RF at a giga-hertz to sustain mega-amp currents  
And keep it hotter than the sun.

Clean and free fusion (that's what you say)  
How come it costs billions and billions to break even?

Cuz If you want the energy on Earth  
There's a price to pay  
It's a genie in a bottle at a hundred million K.

If you want to make fusion on Earth  
There's a price to pay  
It's a genie in a bottle you gotta control it some way.

It's a genie in a bottle baby  
Gotta rub it the right way honey.  
It's a genie in a bottle baby  
You gonna pay to get it out.

Clean and free fusion? (That's what you say)  
How come it cost billions and billions to reach ignition?

Cuz If you want to make fusion on Earth  
There's a price to pay  
It's a genie in a bottle at a hundred million K.

If you want the energy on Earth  
There's any easier way  
Solar fusion is shinning on us  
Clean and free every day!

It's a genie in a bottle baby  
Gotta rub it the right way honey.  
It's a genie in a bottle baby  
You gonna pay to get it out.

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