

Making a radiation shield by using a cooking plate.

Satoshi Sakai[1]; Taisuke Hattori[2]; Takaya Tamura[3]

[1] Human and Environ. ,Kyoto Univ; [2] Sci.,Kyoto Univ; [3] Sci., Kyoto Univ

In last year's meeting, it introduced the manufacturing method of a small instrument shelter (Radiation shield). This is the one that the foam vinyl chloride board is softened with a hot plate, and the pearl bead is placed and what built in the shape of the bottom of the beer can piled it up. It tended to be easy to receive some influences of direct sunshine compared with the commercial item though this Radiashonsheld also was able to produce greatly at a low price compared with the commercial item, and became practical use enough also the performance. Especially, it rises in temperature at about 1 degree or less compared with Radiashonsheld of the ventilation type at the time zone immediately after the sunrise.

When this cause had been investigated, it was understood to hit light from true side, to lighten moreover, for the temperature to go up by the energy of this light, and to rise in temperature in the part in the root where the sensor was fixed, and to transmit the heat to the temperature sensor of the thermally sensitive resistor through the lead though direct sunshine did not enter in the shield.

Because these influences are reduced as much as possible, and the performance just like Radiashonsheld on the market was achieved, it introduces the method.