```
 1  pro inputtree_event, ev
 2
 3  widget_control, ev.ID, get_uvalue=uname
 4
 5  case strlowcase(uname) of
 6    'base': widget_control, ev.top, xsize=ev.x, ysize=ev.y
 7    'done': widget_control, ev.top, /destroy
 8    else:
 9  endcase
10
11  end
12
13  ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
14
15  pro input_view, inputtemp
16
17  if (isa(inputtemp, 'string')) then begin
18    input = inputs_restore(inputtemp)
19    inputfile = inputtemp
20  endif else begin
21    input = inputtemp
22    inputfile = 'input'
23  endelse
24
25
26  base = widget_base(/column, title='Input', xoffset=1200, xsize=600, ysize=800, $
27           /tlb_size_events, uvalue='base')
28  donebut = widget_button(base, value='Done', uvalue='Done')
29
30  tree = widget_tree(base, xsize=600, ysize=800)
31  root = widget_tree(tree, value=inputfile, /folder, uvalue='root', /expanded)
32
33  geotree = widget_tree(root, value='geometry', uvalue='geometry', /folder)
34  tname = tag_names(input.geometry)
35  geobranches = bytarr(n_elements(tname))
36  tname[0] = widget_tree(geotree, value='planet: '+input.geometry.planet, uvalue='planet')
37  tname[1] = widget_tree(geotree, value='start point: '+input.geometry.startpoint, $
38           uvalue='startpoint')
39  tname[2] = widget_tree(geotree, value='phi: ', uvalue='phi', /folder)
40  tname[3] = widget_tree(geotree, value='include: ', uvalue='include', /folder)
41  tname[4] = widget_tree(geotree, value='TAA: '+string(input.geometry.taa), $
42           uvalue='taa')
43
44
45  sticktree = widget_tree(root, value='sticking info', uvalue='StickingInfo', /folder)
46
47  forcetree = widget_tree(root, value='forces', uvalue='forces', /folder)
48
49  spatialtree = widget_tree(root, value='spatial distribution', uvalue='SpatialDist', $
50           /folder)
51
```

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52  speedtree = widget_tree(root, value='speed distribution', uvalue='SpeedDist', /folder)
53
54  angtree = widget_tree(root, value='angular distribution', uvalue='AngularDist', /folder)
55
56  ;;perturbtree = widget_tree(root, value='velocity perturbation', uvalue='PerturbVel', $
57  ;; /folder)
58  ;;plasmatree = widget_tree(root, value='plasma info', uvalue='PlasmaInfo', /folder)
59
60  opttree = widget_tree(root, value='options', uvalue='options', /folder)
61
62  widget_control, base, /realize
63  xmanager, 'inputtree', base, /no_block
64
65  end
```