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Trusted Python 3

Code

Out[279]: <Table length=3>

Show 50 entries Search:

idx	Galaxy	X-component (kpc)	Y-Component (kpc)	Z-Component (kpc)	VX-component (km/s)	VY-Component (km/s)	VZ-Component (km/s)
0	MW COM	-1.31	2.52	-1.43	-0.11	4.48	-1.33
1	M31 COM	-377.66	611.43	-284.64	72.85	-72.14	49.0
2	M33 COM	-476.22	491.44	-412.4	44.42	101.78	142.23

Showing 1 to 3 of 3 entries First Previous 1 Next Last

In [ ]:
```
1
```

In [306]:
```
"""Quesition 2"""
print ("Question 3 Results")
# Calculate the seperation between MW and  M31 position
SepP = np.round(np.sqrt(np.sum((MWP - M31P)**2)),3)*u.kpc
# Calculate the seperation between MW and  M31 velocity
SepV = np.round(np.sqrt(np.sum((MWV - M31V)**2)),3)*u.km/u.s
# Print results
print ("The magnitude of current seperation of position between MW and M31 is: %s\nThe magnitude of current seperation of vel


"""Question 3"""
# Calculate the seperation between M33 and  M31 position
SepP = np.round(np.sqrt(np.sum((M33P - M31P)**2)),3)*u.kpc
# Calculate the seperation between M33 and  M31 velocity
SepV = np.round(np.sqrt(np.sum((M33V - M31V)**2)),3)*u.km/u.s
# Print results
print ("The magnitude of current seperation of position between M33 and M31 is: %s\nThe magnitude of current seperation of ve
```