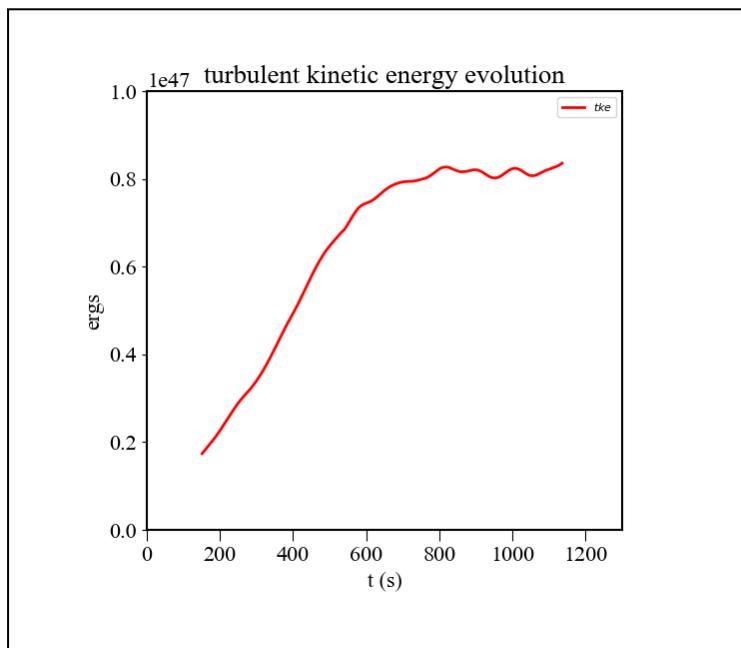


OBURN MLREZ (384x192x192)

```
#-----#
('Datafile with space-time averages: ', 'DATA/TSERIES/tseries_oburn_mlrez3_tavg300secs.npy')
('Central time (in s): ', 451.2)
('Averaging windows (in s): ', 300.0)
('Time range (in s from-to): ', 0.0, 1286.0)
-----
Resolution: 384 192 192
Radial size of computational domain (in cm): 3.00e+08 1.00e+09
Radial size of convection zone (in cm): 4.28e+08 8.34e+08
Extent of convection zone (in Hp): 1.888224
Averaging time window (in s): 300.000000
RMS velocities in convection zone (in cm/s): 8.07e+06
Convective turnover timescale (in s) 1.00e+02
P_turb o P_gas 2.19e-04
Dissipation length scale (in cm): 7.87e+08
Total nuclear luminosity (in erg/s): 1.17e+46
Rate of TKE dissipation (in erg/s): 1.13e+45
Dissipation timescale for TKE (in s): 48.766306
Reynolds number: 1264
```

```
#-----#
('Datafile with space-time averages: ', 'DATA/TSERIES/tseries_oburn_mlrez3_tavg300secs.npy')
('Central time (in s): ', 762.4)
('Averaging windows (in s): ', 300.0)
('Time range (in s from-to): ', 0.0, 1286.0)
-----
Resolution: 384 192 192
Radial size of computational domain (in cm): 3.00e+08 1.00e+09
Radial size of convection zone (in cm): 4.28e+08 8.50e+08
Extent of convection zone (in Hp): 1.938221
Averaging time window (in s): 300.000000
RMS velocities in convection zone (in cm/s): 9.32e+06
Convective turnover timescale (in s) 9.04e+01
P_turb o P_gas 2.95e-04
Dissipation length scale (in cm): 8.90e+08
Total nuclear luminosity (in erg/s): 1.46e+46
Rate of TKE dissipation (in erg/s): 1.59e+45
Dissipation timescale for TKE (in s): 47.738983
Reynolds number: 1312
```

Every point below is TKE averaged over 300 seconds

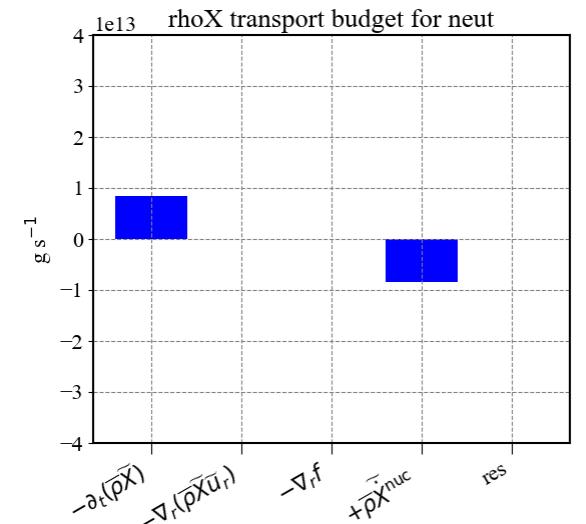
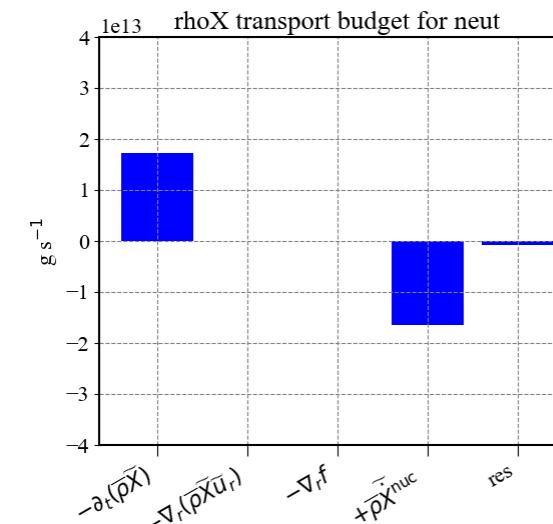
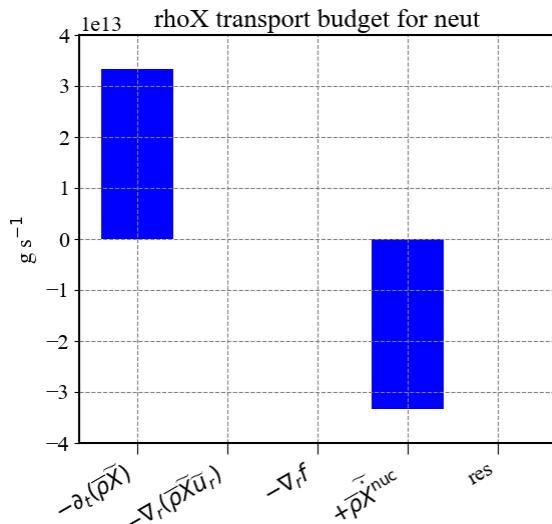
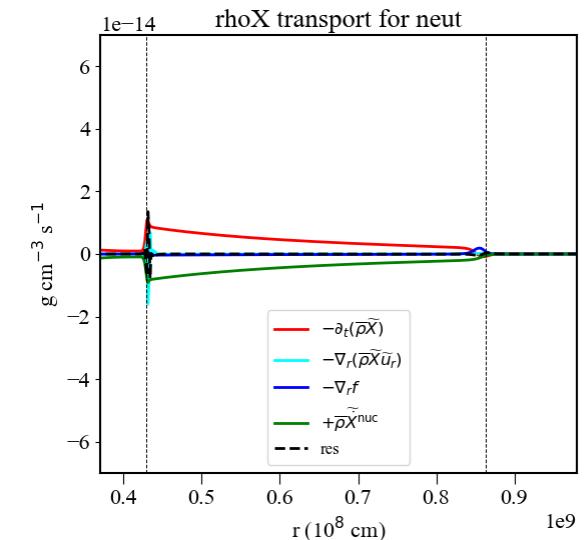
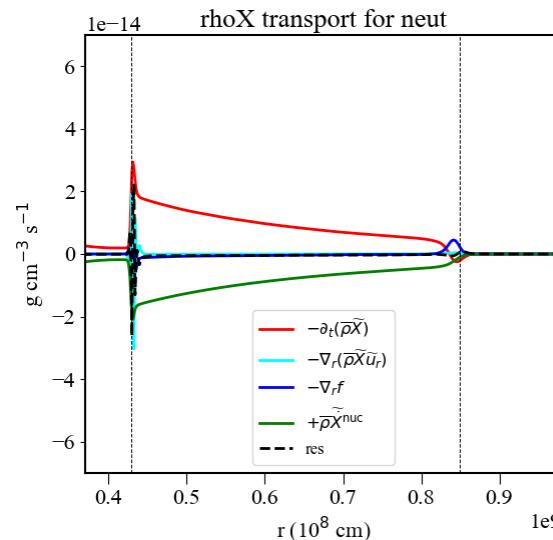
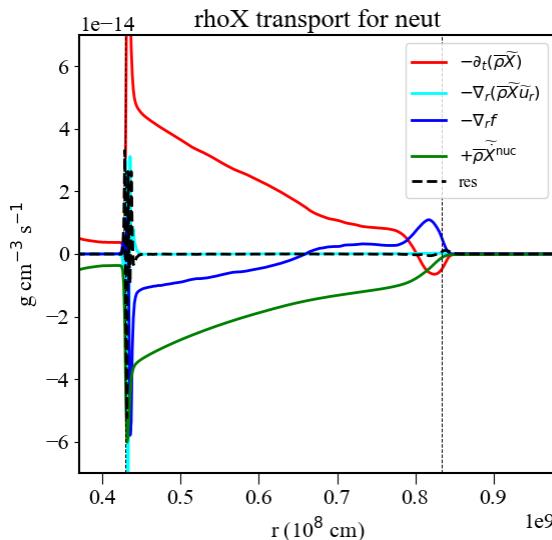


```
#-----#
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('Central time (in s): ', 1062.6)
('Averaging windows (in s): ', 300.0)
('Time range (in s from-to): ', 0.0, 1286.0)
-----
Resolution: 384 192 192
Radial size of computational domain (in cm): 3.00e+08 1.00e+09
Radial size of convection zone (in cm): 4.28e+08 8.63e+08
Extent of convection zone (in Hp): 1.977164
Averaging time window (in s): 300.000000
RMS velocities in convection zone (in cm/s): 9.20e+06
Convective turnover timescale (in s) 9.45e+01
P_turb o P_gas 2.88e-04
Dissipation length scale (in cm): 7.94e+08
Total nuclear luminosity (in erg/s): 1.59e+46
Rate of TKE dissipation (in erg/s): 1.77e+45
Dissipation timescale for TKE (in s): 43.156406
Reynolds number: 1352
```

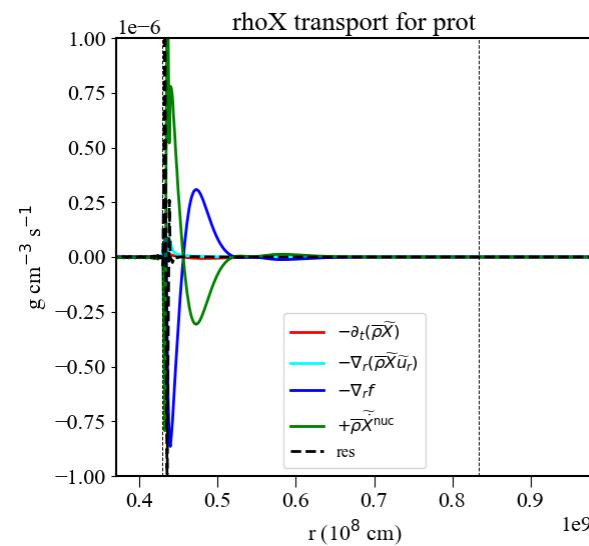
CENTRAL TIME: 451 seconds

CENTRAL TIME: 762 seconds

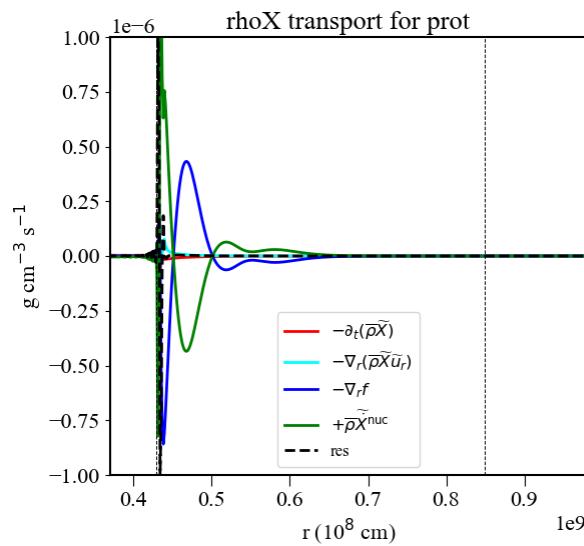
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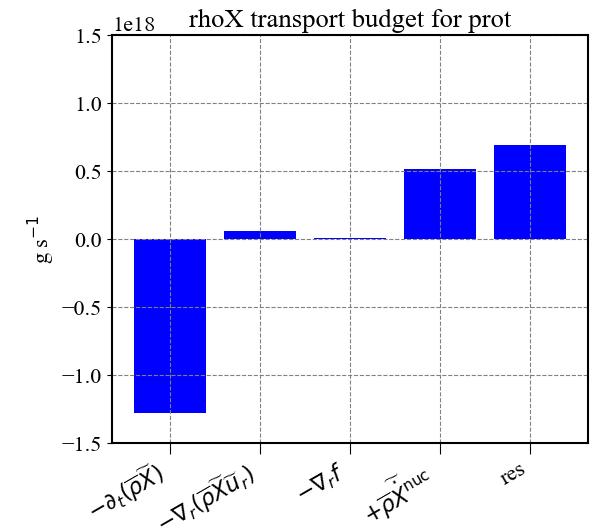
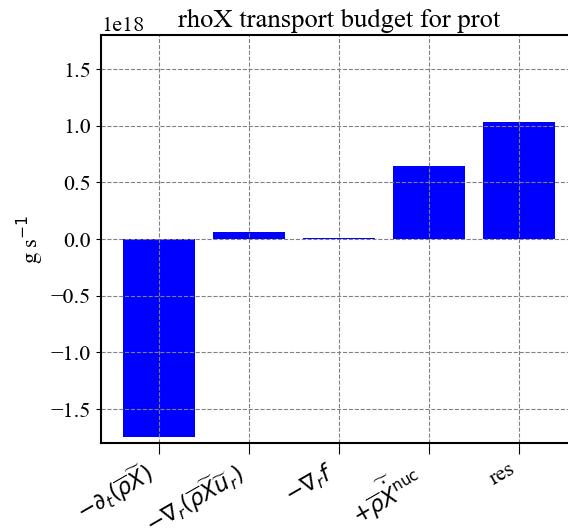
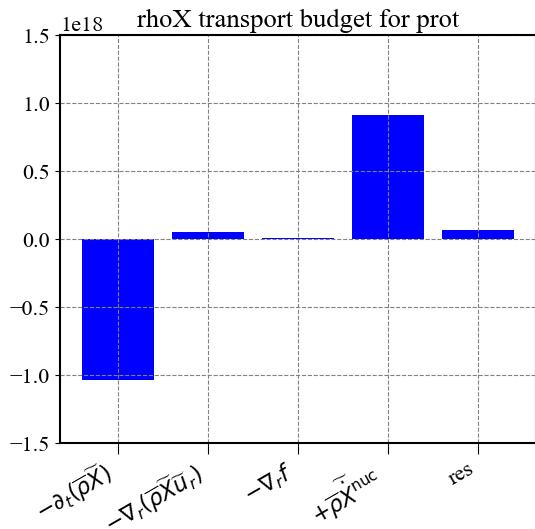
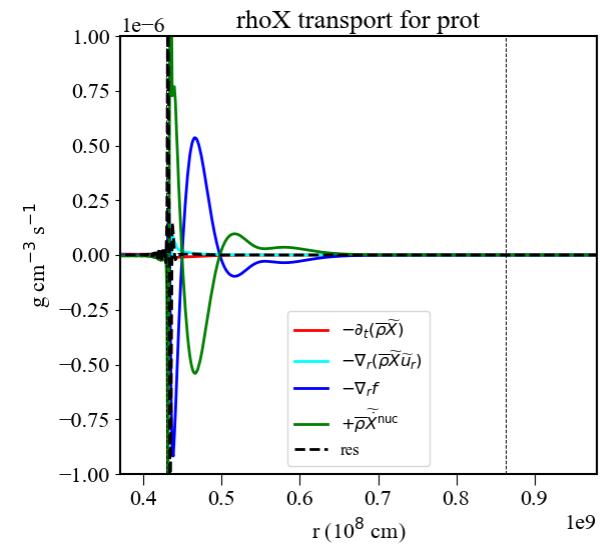
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CENTRAL TIME: 762 seconds



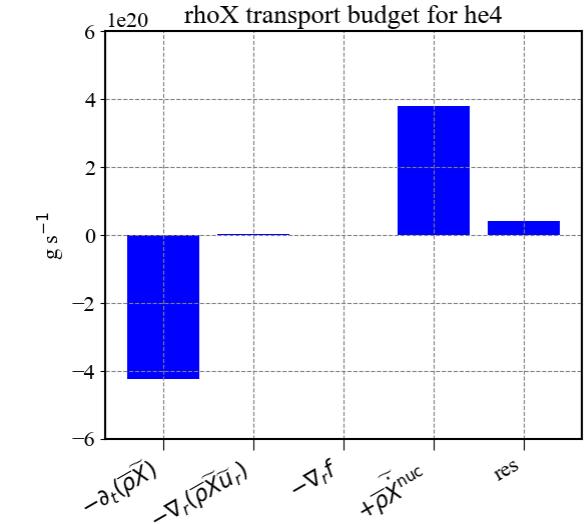
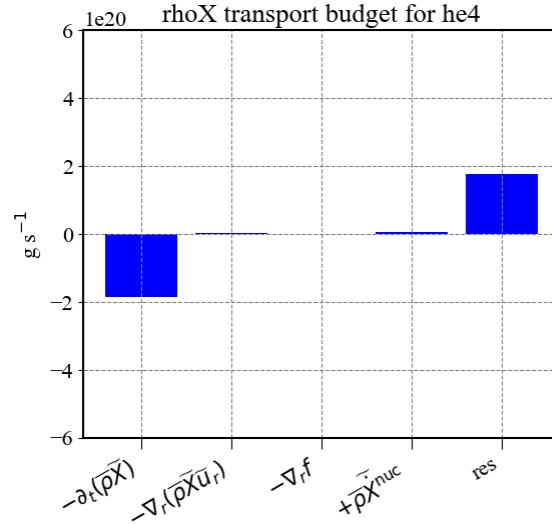
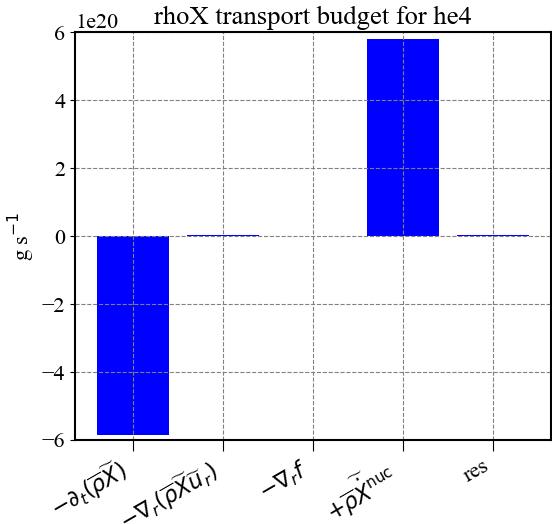
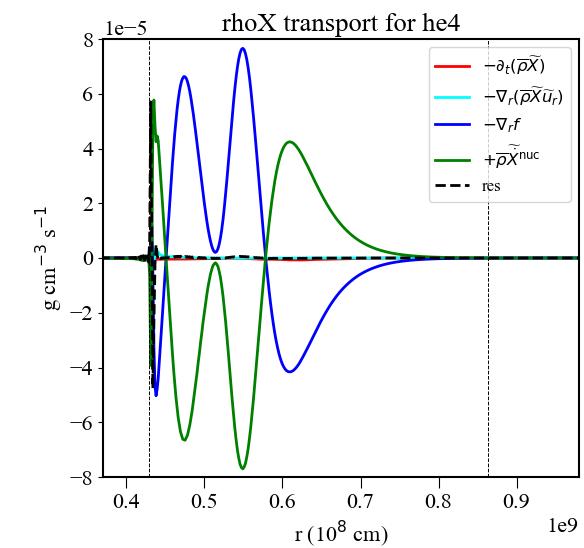
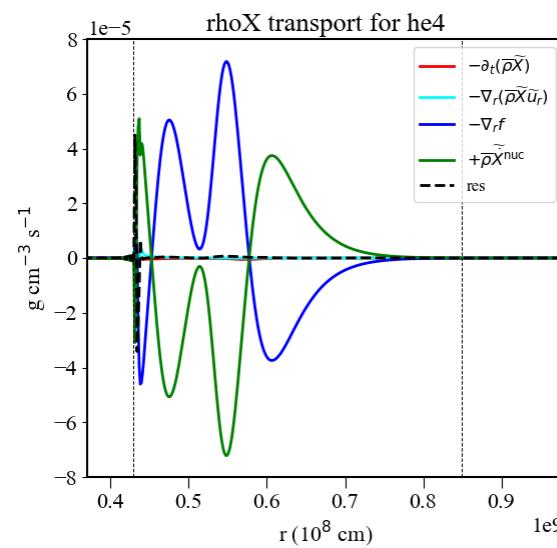
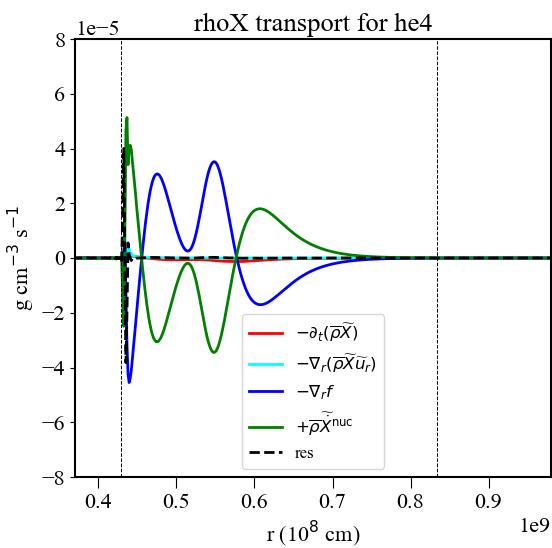
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CENTRAL TIME: 451 seconds

CENTRAL TIME: 762 seconds

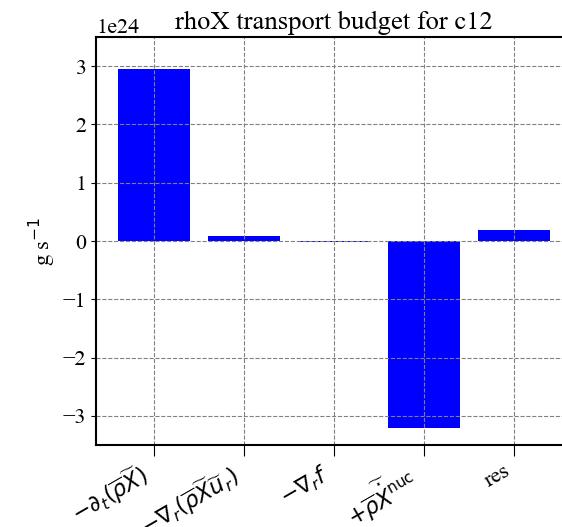
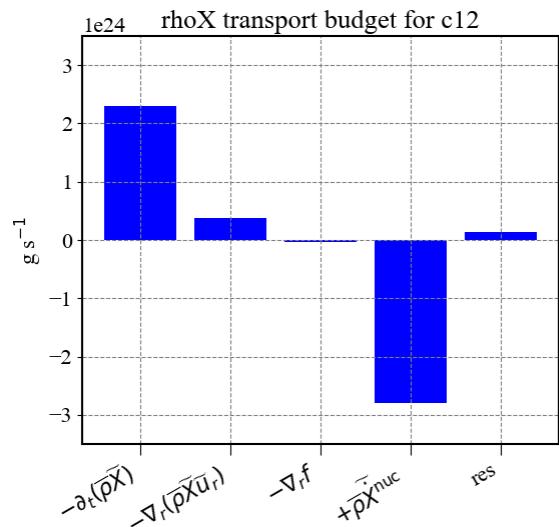
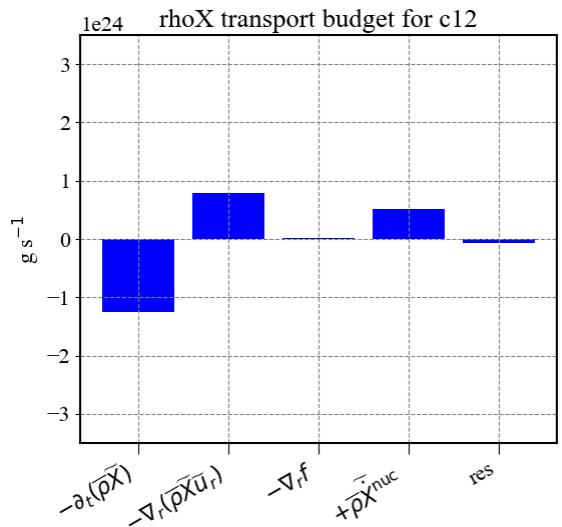
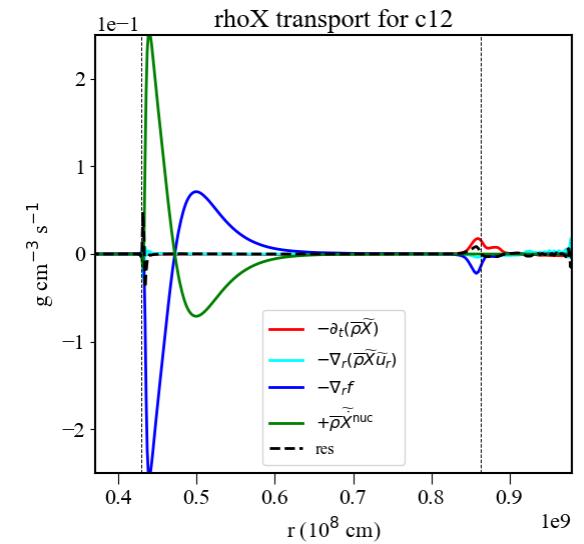
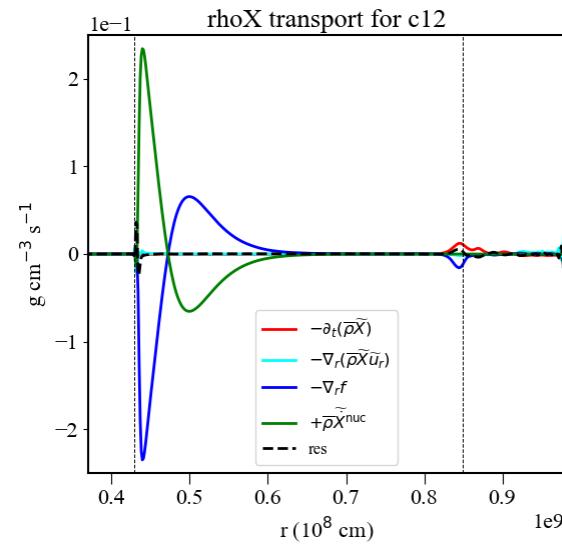
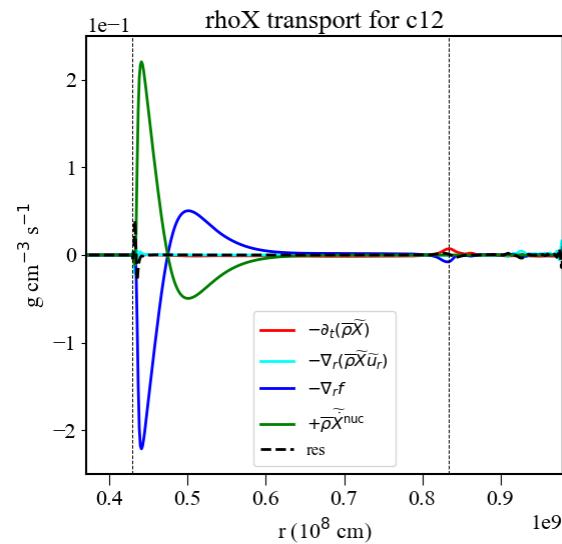
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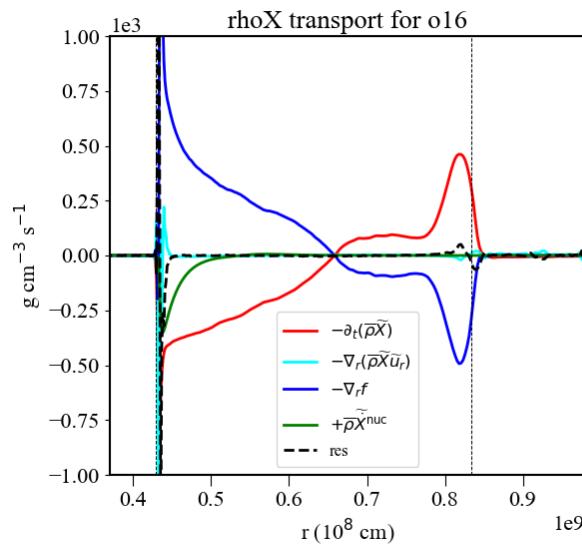
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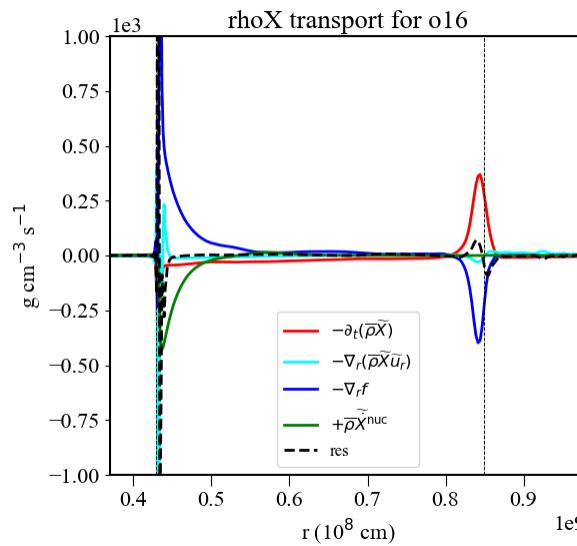
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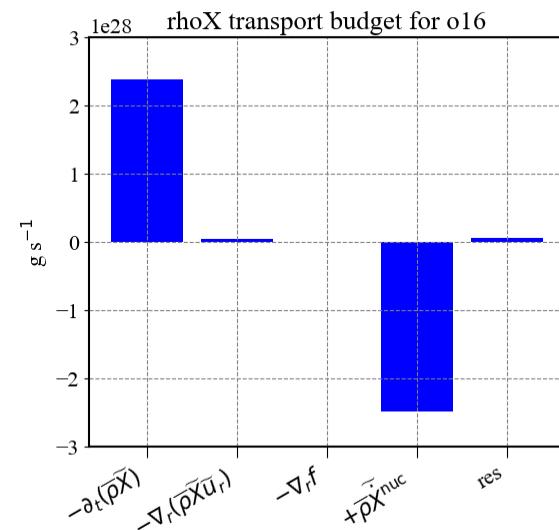
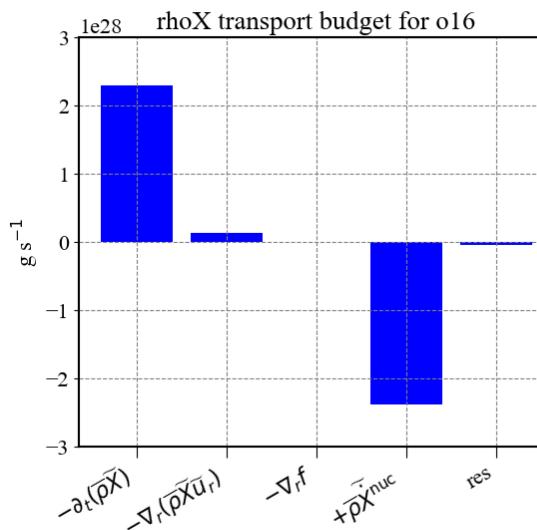
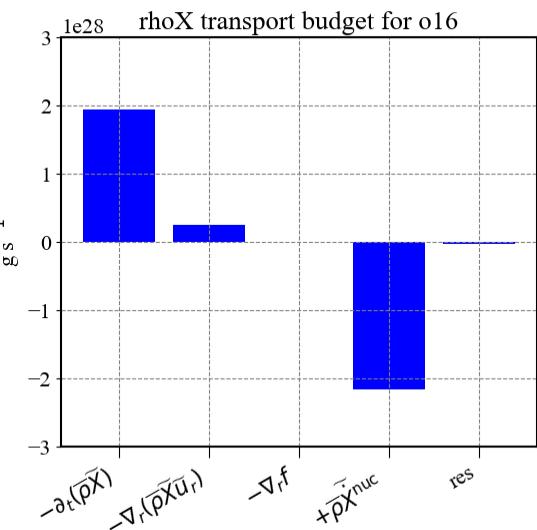
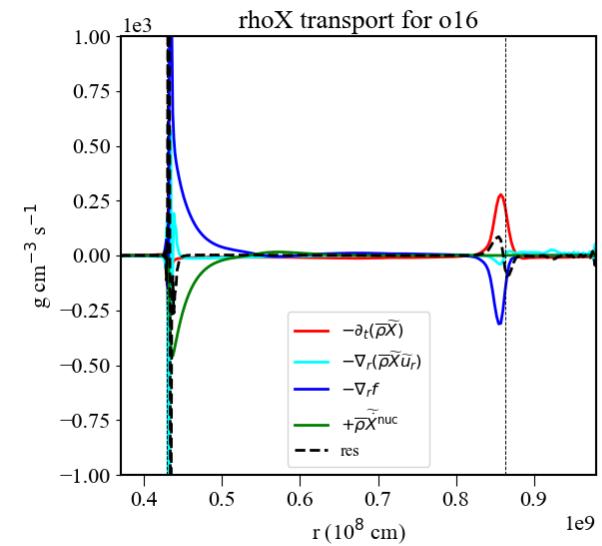
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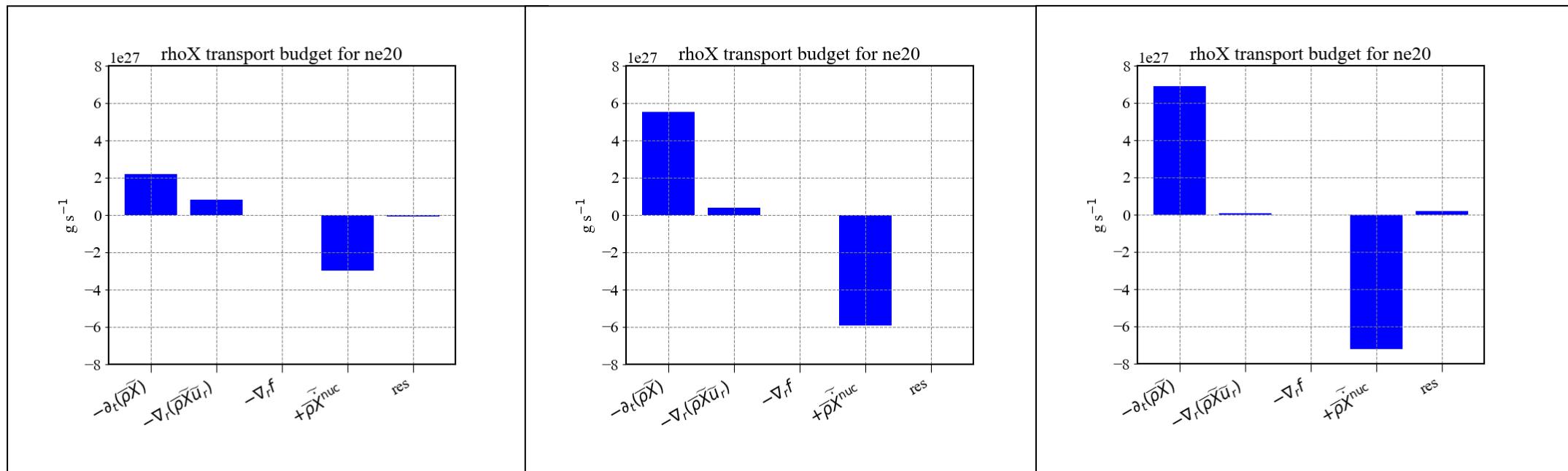
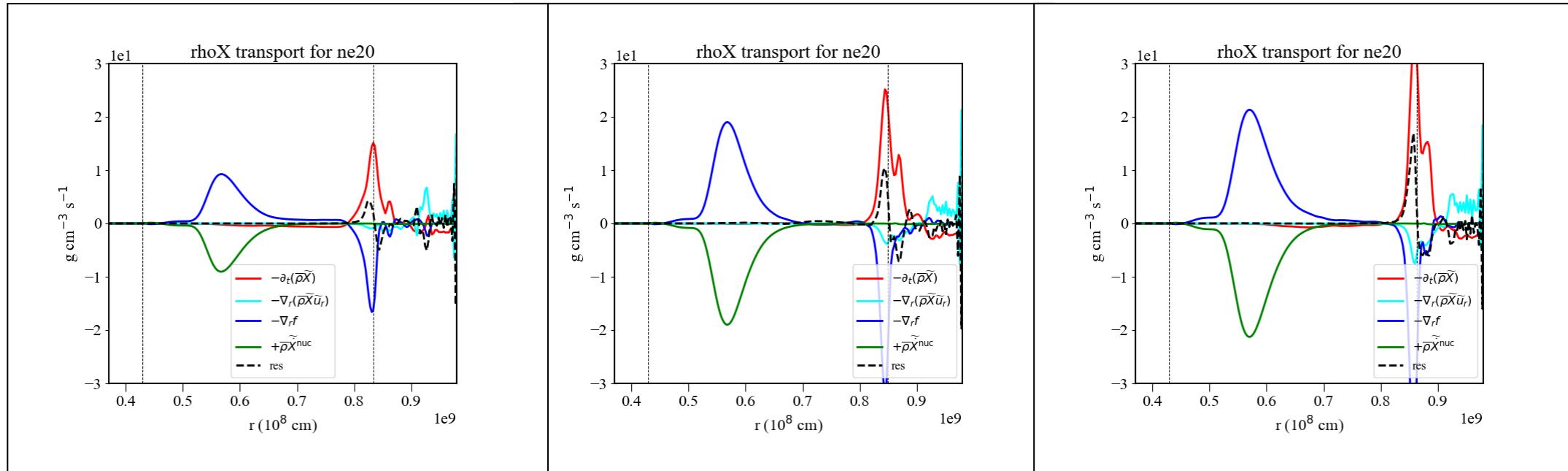
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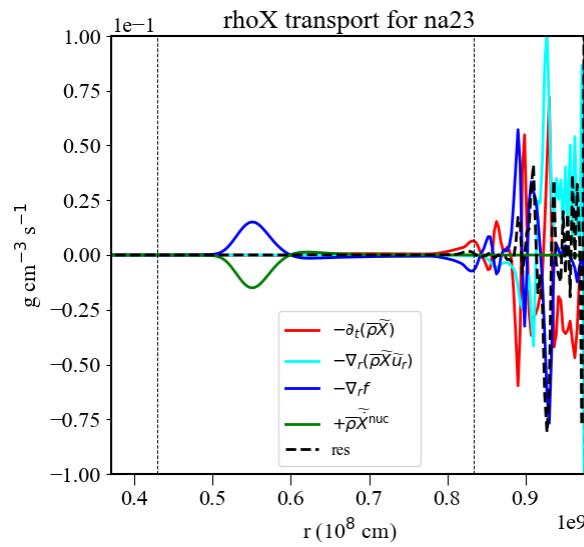
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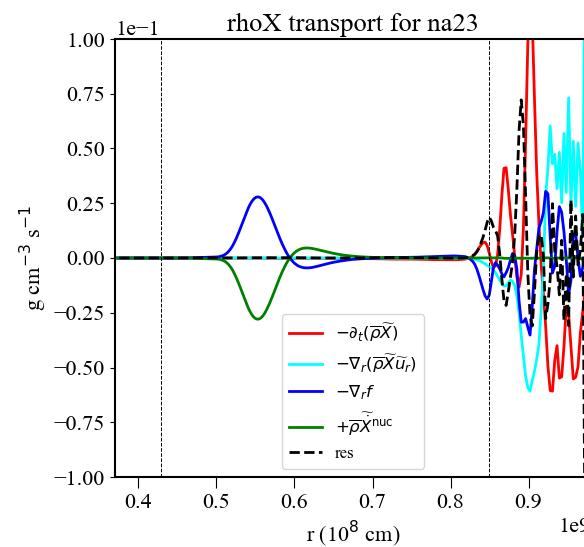
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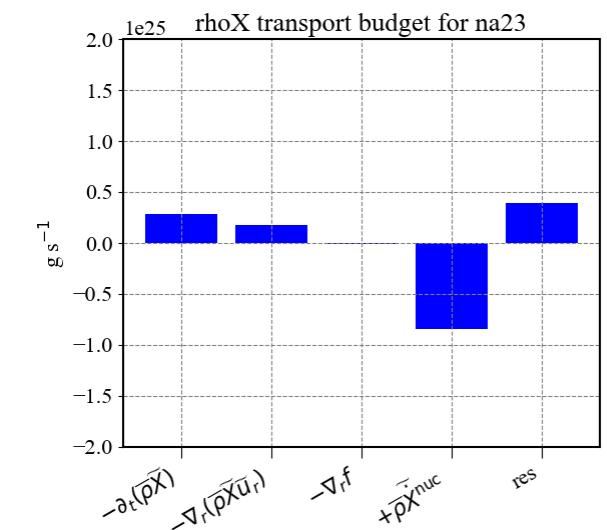
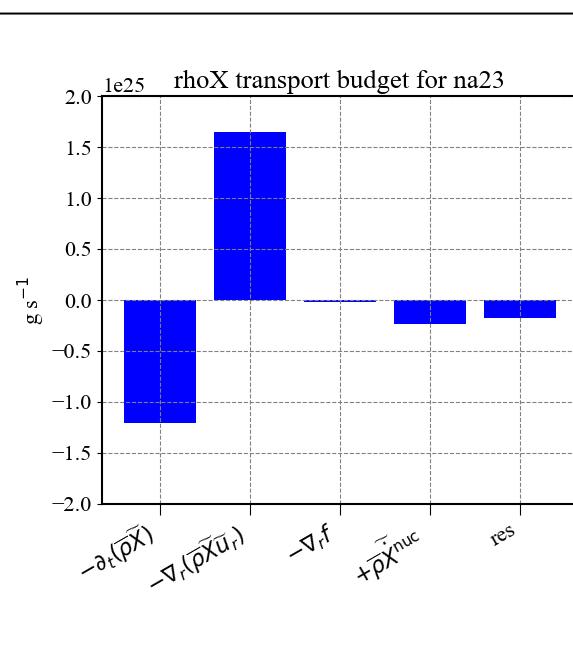
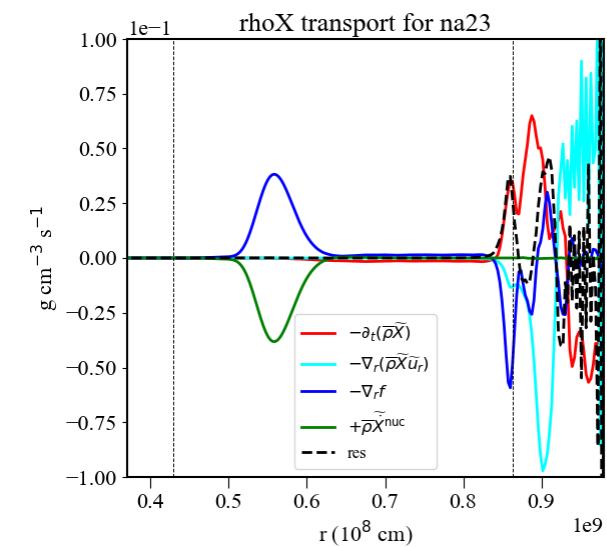
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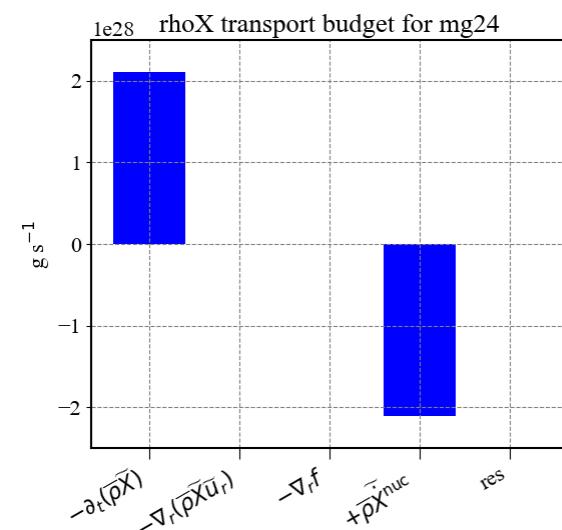
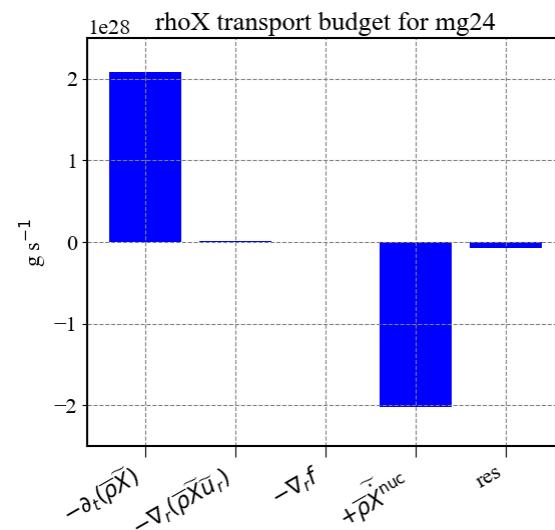
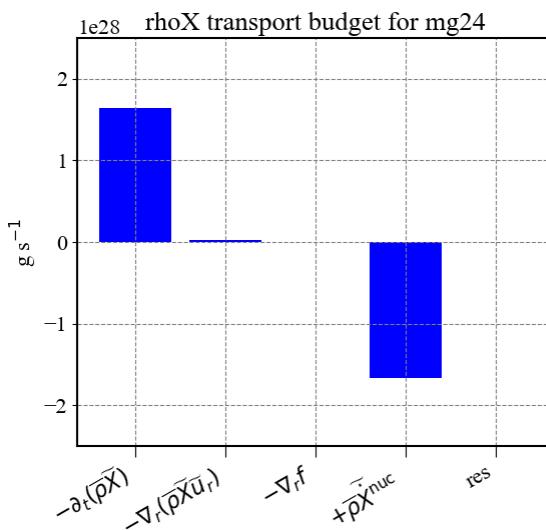
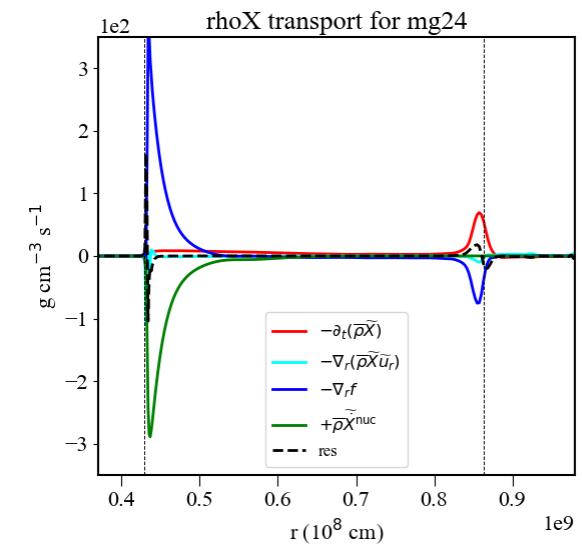
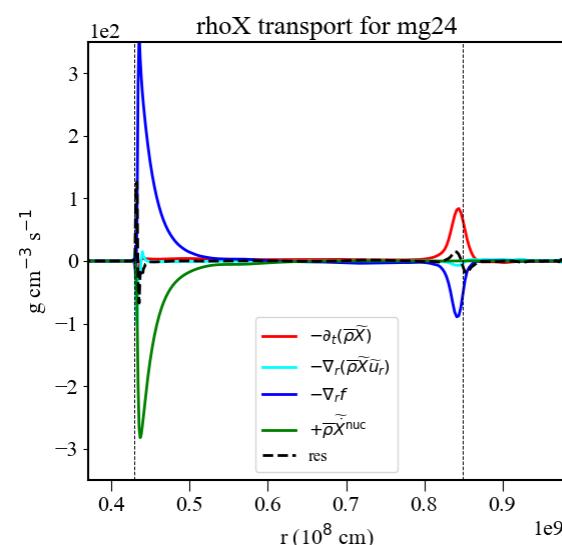
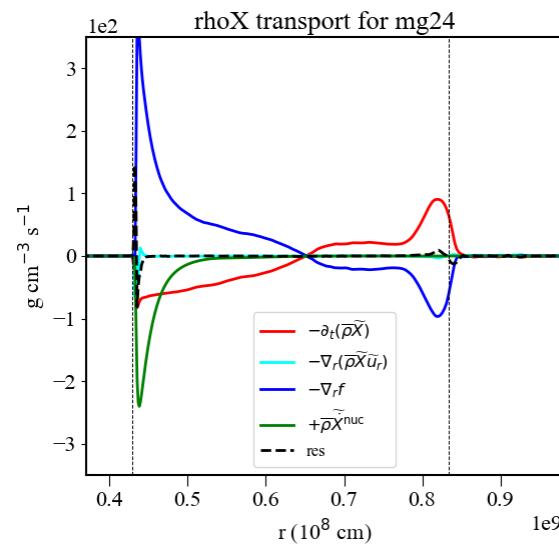
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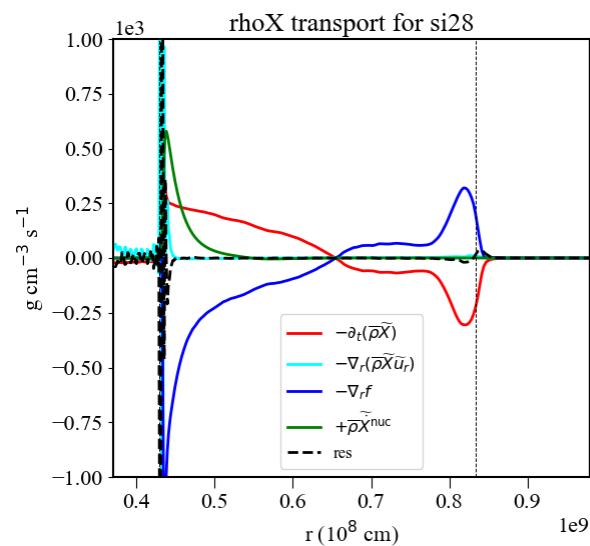
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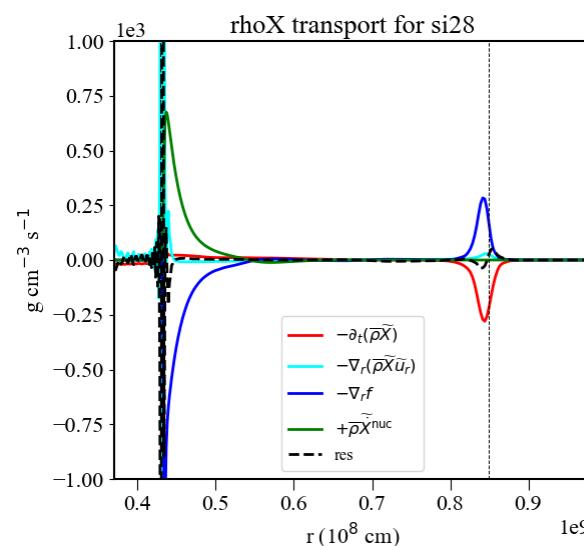
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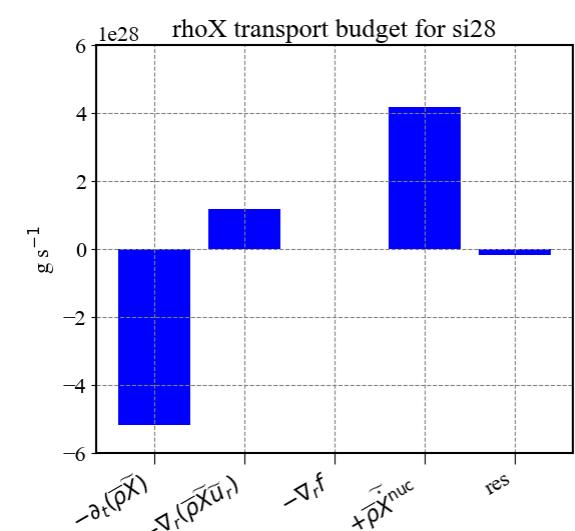
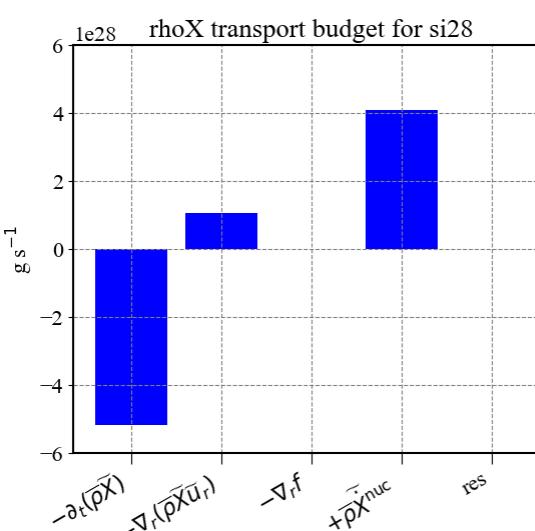
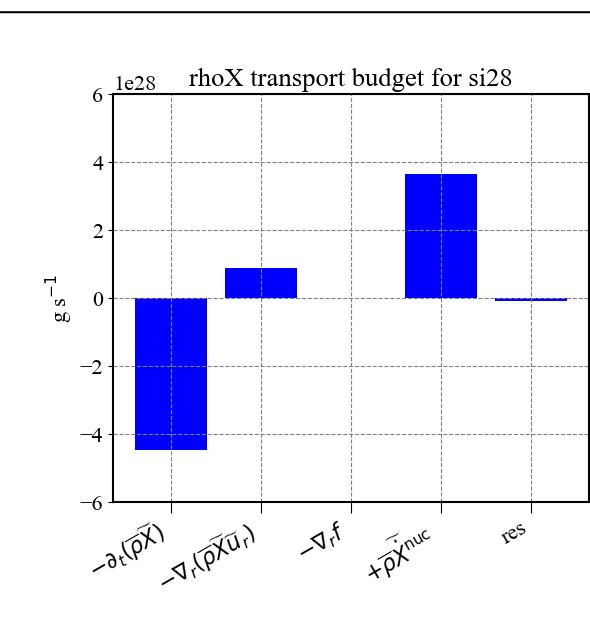
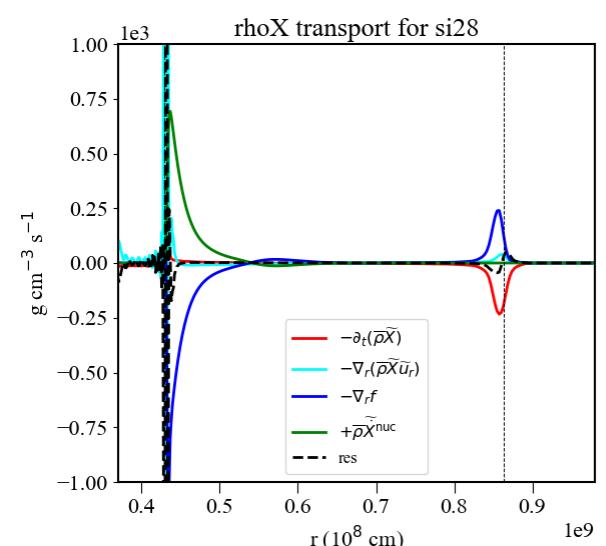
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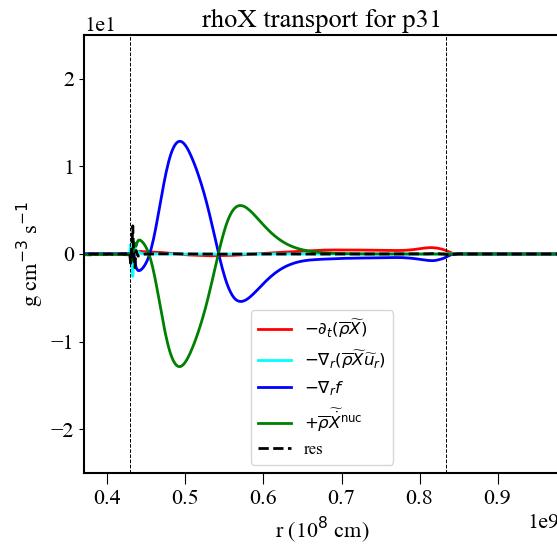
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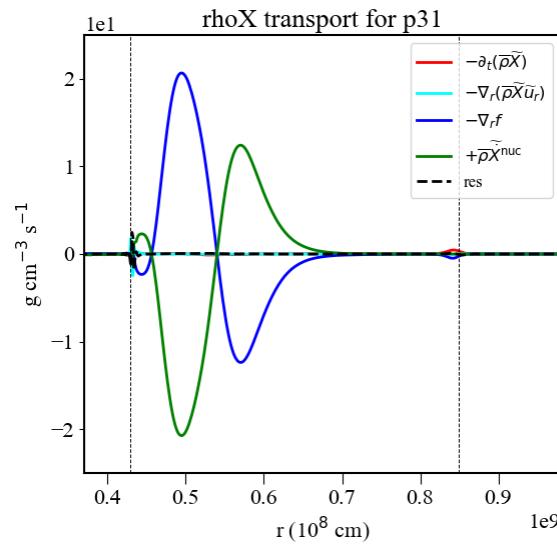
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CENTRAL TIME: 451 seconds



CENTRAL TIME: 762 seconds



CENTRAL TIME: 1062 seconds

